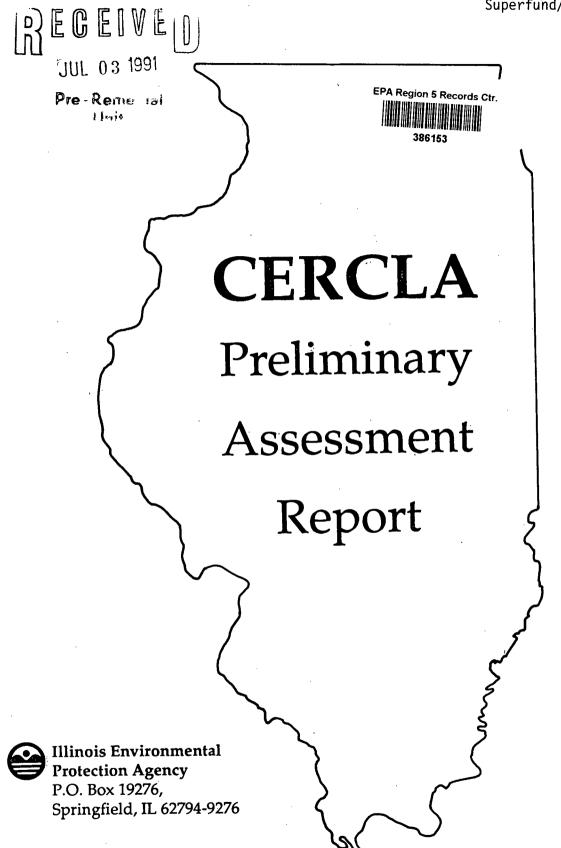
L1990555010-Williamson Perma-Treat of Illinois ILD063698971 Superfund/HRS



SECTION 1 EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

The Perma-Treat of Illinois, Inc. site, a wood treating facility, was placed on the Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) August 28, 1990. This was the result of a recent environmental focus on wood treating facilities. When Perma-Treat of Illinois, Inc. (Perma-Treat) appeared on a list of wood preserving facilities operating in Illinois, the Illinois Environmental Protection Agency's (IEPA or Agency) Division of Land Pollution Control requested the CERCLA discovery action.

The facility reportedly occupies fifteen (15) acres in Marion, Illinois, the county seat of Williamson County. The address is North Carbon Street and Industrial Park Drive. To reach the facility from U.S. Interstate 57, take exit 53 to eastbound Main Street. Travel nearly seven-tenths (0.7) of a mile eastward on Main Street until reaching Carbon Street. Turn north (left) onto Carbon Street and travel nearly four-tenths (0.4) of a mile, across the Crab Orchard and Egyptian Railroad and then curving northwest, until reaching Industrial Park Drive (which goes west only from Carbon Street). Turn west (left) onto Industrial Park Drive which runs directly into the entrance of the Perma-Treat facility.

The Perma-Treat facility is bordered on the north by offices in the Marion Industrial Park, a Frito-Lay warehouse, and a Todd uniform cleaning service; to the east by a USDA building which contains the local Soil Conservation Service and associated offices, a vacant lot, and Century Lubricant Specialists; to the south by the Crab Orchard and Egyptian Railroad and south of the tracks by a Central Illinois Public Service facility; and to the west by single family homes and a twenty-two unit apartment complex. Much of this is visible on the aerial photograph contained in Section 3 of this report. The site is located in the northeast quarter of the southeast quarter of Section 14, Township 9 South, Range 2 East of the Third Principal Meridian, Williamson County.

Ten of the reportedly fifteen acres which Perma-Treat presently occupies was previously owned by the city of Marion. At that time, it was reportedly a vacant lot. The ten acres were sold to Rudy J. Bond in 1982. A copy of the Property Record Card and Memorandum of Agreement, plus additional information supplied by the Williamson County Supervisor of Assessments, is contained in Reference I.

The Perma-Treat facility manufactures and pressure treats landscape timbers and dimensioned lumber products. The facility ships treated lumber out to retail facilities as well as providing some retail sale of the material right on site. The facility consists of an office building, machine shop, treatment building, retail sales and storage buildings, and the storage

yard.

1 ----

The treatment building contains a pressure cylinder, or tank, which is used to treat the lumber with a chromated copper arsenate (CCA) solution. Note that neither creosote nor pentachlorophenol is used at this facility. The water soluble CCA, previously purchased from Koppers, Inc. in Carbondale, is now purchased from Hickson Corporation at a 50% concentration and stored in a 7,000 gallon chemical tank. The CCA is diluted down to varying concentrations near the 1.2% CCA range in two 10,000 to 16,000 gallon mixing tanks. An approximately 11,000 gallon effluent tank is utilized to dilute the CCA in the mixing tanks prior to transferring the diluted mixture to an 18,000 gallon working tank. The mixture is pumped directly from the working tank into the pressure cylinder. The one pressure cylinder which the facility utilizes as much as eight times per day is fifty-four feet long and approximately eight feet in diameter (roughly 20,000 gallons). It typically treats 6000 to 7000 board feet each time it is used. Operating pressure is approximately 165 pounds per square inch.

The two mixing tanks are located outdoors, just south of the treatment building on a concrete pad with an approximately one foot high concrete berm. The chemical tank, effluent tank, storage tank, and pressure cylinder are all located in the treatment building where the concrete foundation and floor of the building serve as secondary containment.

Perma-Treat utilizes a "modified full cell" treatment which removes much of the excess CCA mixture before the pressure cylinder is opened and the freshly treated wood is removed.

When the freshly treated lumber is removed from the pressure cylinder, it is moved to the adjacent drip pad and allowed to drip for twenty-four (24) to fourty-eight (48) hours. The 35' x 130' concrete drip pad is sloped so that all runoff from the pad will enter a concrete pit located beneath the door of the pressure cylinder. The drip pad is now covered by a roof, so that the runoff to the door pit no longer includes rainwater. A slot in one wall of the door pit allows the collected fluids from the pressure cylinder and the storage pad to flow into a containment pit located beneath the three tanks in the treatment building. A sump then pumps this fluid into the effluent tank. It is held in this tank until it is incorporated with make-up water when diluting the CCA product prior to pressure treating a batch of lumber.

After the treated lumber sits on the drip pad, it is placed in the storage yard which is not paved or surfaced. Reportedly, when the treated lumber is moved from the drip pad to the storage yard, rather than designating a specific area for it to be stored, it is liable to be placed anywhere that there is room for it.

Since the diluted CCA (which drains from the pressure cylinder after treatments) and the runoff from the drip pad are recirculated into the next batch of diluted CCA, it is not transported off-site as a waste. The only waste at the facility is generated during cleaning operations. It consists of soil, rocks, and wood chips which are contaminated with CCA (D004-characteristically hazardous for arsenic).

During an August 8, 1985 RCRA inspection of the facility, the owner/operator of the facility estimated that, with the exception of the annual cleaning, 200 pounds of waste is normally generated each month. The collected waste is placed into drums without lids and allowed to air dry. If excess liquid persists, dry cement is added to dry it up. At the time of the RCRA inspection, no analyses had been performed on any of the drummed wastes.

During a June 20, 1991 RCRA inspection of the facility, it was noted that the waste from the facility is sent to Chem-Waste Management and Hickson Corporation in Valparaiso, Indiana. waste sent to Hickson Corporation is reportedly sent to Emelle, Manifests indicated that the waste is considered characteristically hazardous for arsenic (D004) and chromium Two drums of dried waste were present on site. pile, which consisted of CCA contaminated debris generated from the late winter cleaning of the treatment building, was also discovered on the concrete drip pad. The waste was piled in an attempt to allow it to dry. Of note was the unknown length of time which the debris had accumulated. CCA was ponded in a few areas of the drip pad near the pressure cylinder. Some visible soil contamination was also documented southwest of the drip pad near the waste pile. Please refer to the photographs in Section 3 of this report.

Perma-Treat is classified as a full generator. A "Notification of Hazardous Waste Activity", USEPA Form 8700-12, signed and dated April 12, 1984 was received by the Agency on May 18, 1984. The form indicated in Section IX, Description of Hazardous Wastes, that the hazardous waste generated is a non-listed characteristically toxic (D000) waste.

On March 25, 1988, Perma-Treat reported to the Agency that a spill of CCA had occurred during the night of March 24, 1988 (IESDA incident #880348). Reportedly, one-hundred, twenty-five (125) gallons of 9% CCA solution had leaked from the pressure cylinder because the door was not adequately closed and sealed. Some of the material which escaped from the pressured cylinder shot over the concrete containment area directly onto the ground. Agency personnel noted surface puddles of visible contamination in an approximately five (5) yard by fifteen (15) yard soil area located north of the pressure cylinder and west of the drip pad. It is unknown whether the contaminated soil at this location was ever excavated or not. A nearby culvert allowed the CCA to leak into a ditch adjacent to the site.

Thunderstorms which occurred the same night as the spill filled the ditch and an intermittent stream, also known as West Creek, with rainwater. Agency personnel tracked visible contamination as far as the Route 37 bridge at Crab Orchard Creek. 25, 1988 memo stated: "A small amount of bright discoloration was seen along the edge of back water near the bridge supports. None was seen in the flowing water." also noted that since the CCA solution was water soluble and the thunderstorm had increased the flowrates in the ditch and creek, no emergency remedial actions or were taken (per personnel instructions). facility owner/operator The instructed not to add bulk cement to the contaminated runoff as it would cause "the metals to precipitate out, resulting in contaminated sediments." A copy of the inspector's report is contained in Reference II.

An on-site reconnaissance visit was conducted on June 20, 1991 during a RCRA inspection. The Agency was represented by Mr. Bruce Ford and Mr. Gary Steele of IEPA's Division of Land Pollution Control. (Photographs taken during this visit are contained in Section 3 of this report.) Mr. Steele conducted the RCRA hazardous waste inspection of the facility. An information gathering meeting was held with Mr. Rudy J. Bond and Mrs. Carolyn J. Bond present. The treatment building was then inspected with Mr. Bond and Mr. Chuck Edmonds present. A final discussion was held with all three of the Perma-Treat representatives present.

According to a 1959 soil report, the undisturbed soils in the area near the Perma-Treat facility were predominantly Cisne and Hoyleton silt loams which were developed under prairie grasses. These are described as poorly drained and somewhat poorly drained soils, respectively. Both soils are strongly acidic. The Cisne is also considered to be a nearly level claypan soil. Both soils are composed of silty loam in the A horizon and silty clay loams below about eighteen inches (18").

The elevation of the land surface at the site is approximately 450 feet above sea level. According to water well logs (contained in Reference III) and other Illinois State Geological Survey literature, the subsurface geology of the area consists of relatively thin (less than ten feet to as much as sixty feet) unconsolidated glacial drift. Since the drift is so thin in this area, it is difficult to obtain water supplies from it. Immediately below the drift is bedrock of the Pennsylvanian System which contains sandstone and limestone aquifers. domestic water supplies are obtained from these sandstone aquifers from roughly fifty to as much as eight-hundred feet deep, according to one source. Below the Pennsylvanian are the (progressively deeper) Mississippian, Devonian, Ordovician, and Cambrian systems.

The aquifer of concern is the sandstone and limestone aquifers of the Pennsylvanian System. There are very few, if any,

groundwater wells used for drinking water within four miles of the Perma-Treat site. Nearly all of the residences obtain drinking water from local water districts. The water districts obtain their water supplies from surface water intakes located in nearby lakes. With the exception of the intake in Crab Orchard Lake which serves the Crab Orchard National Wildlife Refuge, none of the surface water intakes are located downstream of the site. The nearest drinking water well in the area is believed to be over one mile from the site, but note that this has not been verified.

The county soil report indicates the average annual rainfall in the area to be slightly less than fourty-five inches (for the period of 1910-1946). Drainage from the site flows south and eastward along the Crab Orchard and Egyptian Railroad tracks until entering what is locally known as West Creek. West Creek is indicated to be an intermittent stream on USGS Quadrangle West Creek flows to the southeast turning southward through Marion before entering Crab Orchard Creek, the nearest surface water, nearly two miles downstream of the site. Orchard Creek flows to the west-southwest before entering Crab Orchard Lake seven and one-half miles downstream of the site. Approximately seventeen miles downstream of the site, Orchard Lake spills into the lower end of Crab Orchard Creek. (Note that this is fifteen miles downstream of the probable point of entry into surface water.) It then enters the Big Muddy River and eventually the Mississippi River.

A gaging station is located on Crab Orchard Creek in Section 16, Township 9 South, Range 3 East, east of Marion on State Route 13 where it crosses the creek. It is slightly more than three (3) miles upstream of where West Creek enters Crab Orchard Creek. According to U.S. Geological Survey Water-Data Report IL-89-2 (Volume 1, page 358), the average discharge, or flowrate, at this station (05597500) since 1951 is 26.3 cubic feet per second. It also states that the drainage area is 31.7 square miles. At least six intermittent streams enter Crab Orchard Creek between the gaging station and the confluence with West Creek. The flowrate in West Creek is believed to be less than ten cubic feet per second.

A second gaging station located on Crab Orchard Creek two-tenths of a mile downstream of Crab Orchard Lake in Section 30, Township 9 South, Range 1 East is a water quality station and the flowrate is not reported. The drainage area, however, is reported as 201 square miles.

According to the Illinois Department of Conservation, (with the exception of wetlands) there are no sensitive environments located within a one-mile radius of the site. Additionally, there are no known sensitive aquatic species which occur within fifteen miles downstream of the site. Note that the Crab Orchard National Wildlife Refuge is located southwest of the site and roughly five miles downstream of the site.

No known air emission problems are known to exist at Perma-Treat. However, following a 1986 inspection, Perma-Treat was cited for fugitive dust emissions. Perma-Treat responded by explaining that the dust came from truck traffic on a road and only occurred during extended periods of dry weather. Apparently no follow-up to this problem has ever been conducted.

During the June 20, 1991 on-site visit, it was noted that the area near the treatment building and office building was extremely dusty. It is highly likely that soil particulates from the site could be blown off-site by wind or stirred-up by traffic. Over 17,500 people reside within four (4) miles of the site.

It is highly likely that someone could come into direct contact with potentially contaminated soil from the Perma-Treat facility. Access to the site is only slightly restricted as it is only partially fenced and the facility provides retail sale of treated lumber to the general public.

Two notable targets exist near this site. The first concerns the accidental release of CCA to surface water in Wetlands are located adjacent to West Creek and Crab Orchard Creek. These wetlands are not believed to have been severely The second is location of an apartment complex and ten homes within 200 feet of the western property boundary of the facility. Considering these two primary targets and all other known information about this facility, the author has assigned a low priority status to this site. In order to quantitatively determine the threat posed by this site, it is recommended that the USEPA initiate those actions necessary to advance this site to the screening site inspection stage of the CERCLA Pre-remedial process.

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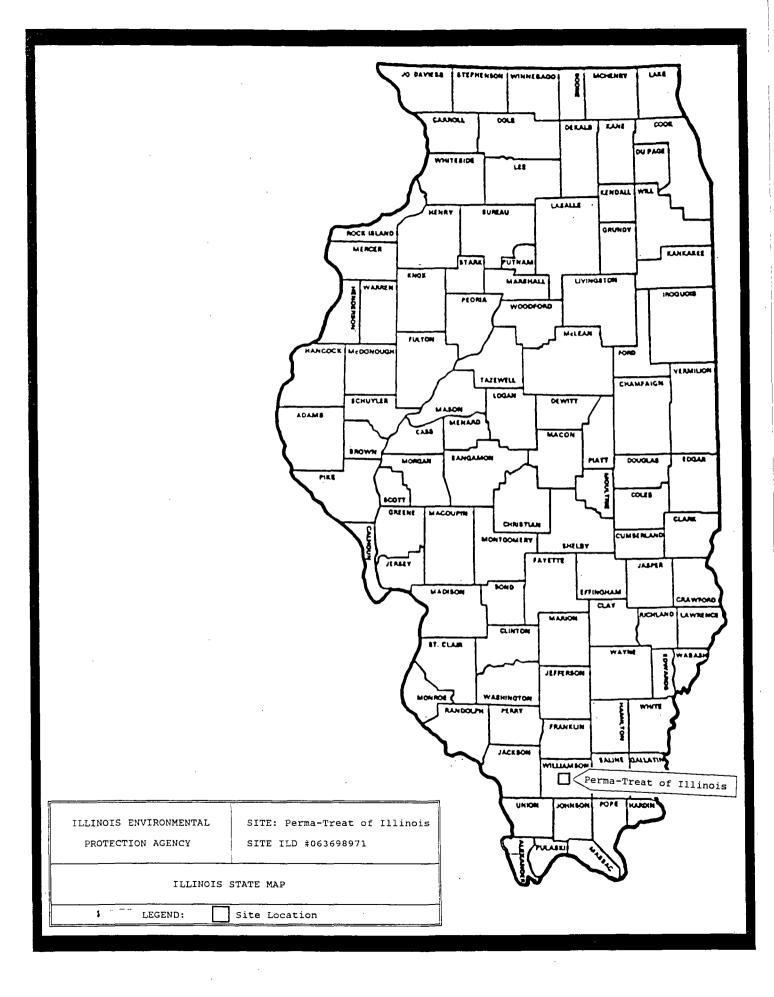
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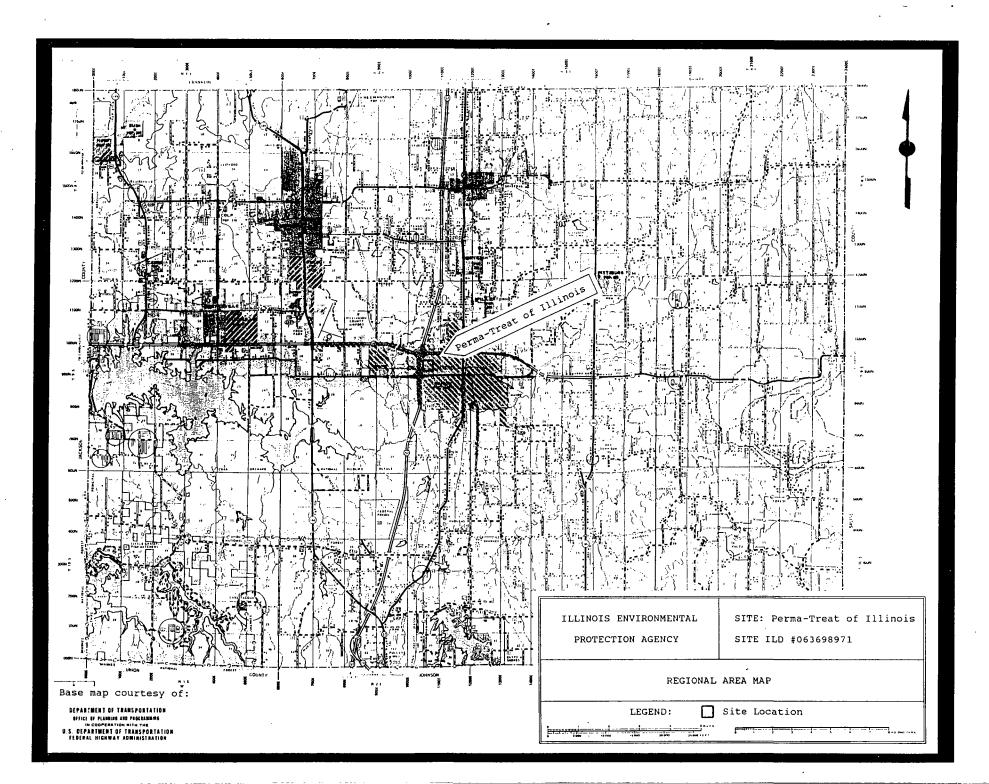
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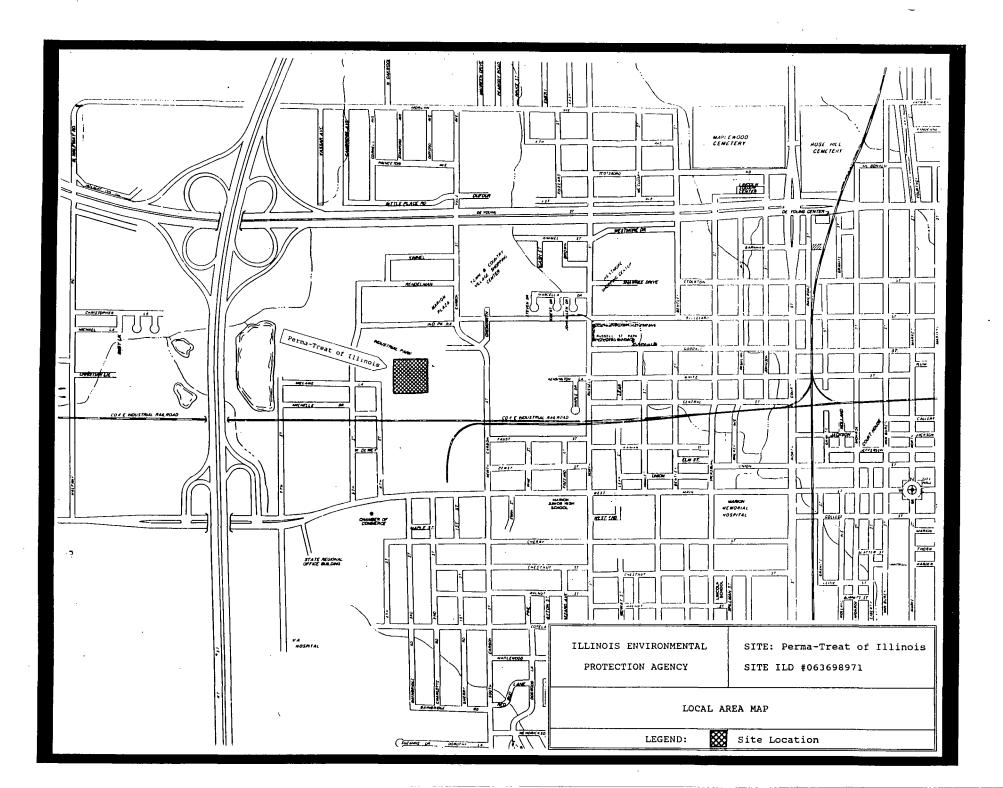
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SECTION 2







SDMS US EPA Region V

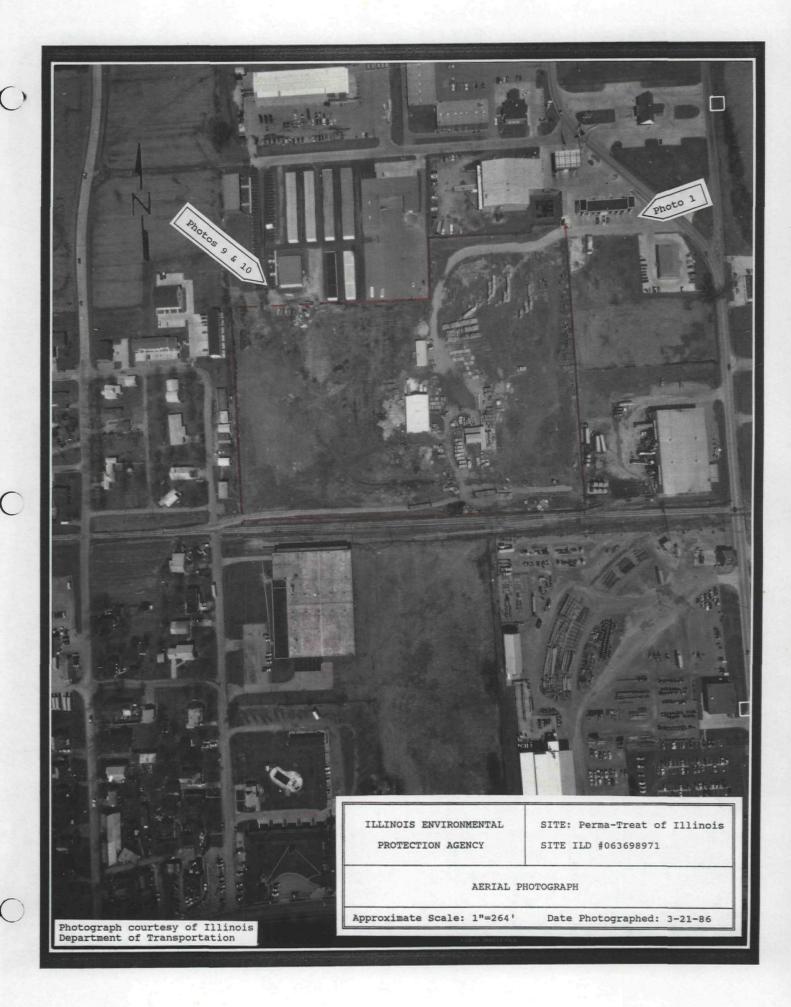
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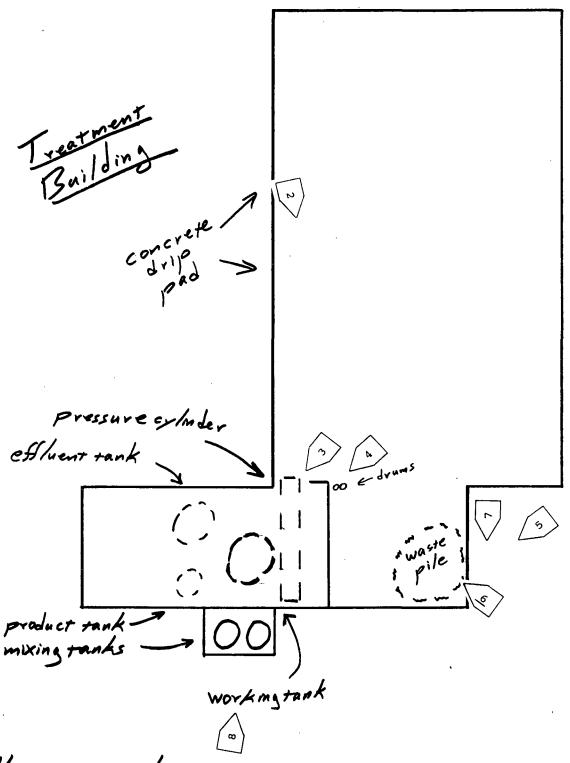
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SECTION 3
PHOTOGRAPHS



PHOTOGRAPH LOCATION MAP



Not to any scale.

TIME: 3:05 PM

PHOTOGRAPH TAKEN BY:____

Bruce Ford

PHOTOGRAPH NUMBER: 1

LOCATION: See aerial photo.

Near northwest entrance to

Perma-Treat facility.

PICTURE TAKEN TOWARD: SW

COMMENTS: Entrance to

facility at right side of

photo. Retail sales and

storage buildings visible.



DATE: June 20, 1991

TIME: 9:35 AM

PHOTOGRAPH TAKEN BY:

Bruce Ford

PHOTOGRAPH NUMBER: 2

LOCATION: Just inside

northwest corner of the

treatment building.

PICTURE TAKEN TOWARD: S

COMMENTS: Pressure cylinder

is visible with concrete

drip pad at left. Pooled

liquid is CCA.



TIME: 9:37 AM

PHOTOGRAPH TAKEN BY:___

Bruce Ford

PHOTOGRAPH NUMBER: 3

LOCATION: Treatment

building at north end of

pressure cylinder.

PICTURE TAKEN TOWARD: S

COMMENTS: Door pit below

pressure cylinder is

visible. Note opening to

containment pit at right.



DATE: June 20, 1991

TIME: 9:38 AM

PHOTOGRAPH TAKEN BY:

Bruce Ford

PHOTOGRAPH NUMBER: 4

LOCATION: Treatment

building - just west of

photo #3 location.

PICTURE TAKEN TOWARD: S

COMMENTS: Two drums of CCA

contaminated waste dated

6-17-91. Note pooled CCA

north and south of drums.



TIME: 9:50 AM

PHOTOGRAPH TAKEN BY:___

Bruce Ford

PHOTOGRAPH NUMBER: 5

LOCATION: East of the south

end of treatment building/

drip pad.

PICTURE TAKEN TOWARD: W-SW

COMMENTS: Wastepile visible

at left on SE corner of

drip pad. Note CCA stains

from leak off of drip pad.



DATE: June 20, 1991

TIME: 9:25 AM

PHOTOGRAPH TAKEN BY:

Bruce Ford

PHOTOGRAPH NUMBER: 6

LOCATION: Southeast corner

of the treatment building/

drip pad.

PICTURE TAKEN TOWARD: NW

COMMENTS: Close-up of the

waste pile consisting of

CCA contaminated soil,

rocks, wood chips, etc.



TIME: 9:55 AM

PHOTOGRAPH TAKEN BY:___

Bruce Ford

PHOTOGRAPH NUMBER: 7

LOCATION: East of south end

of treatment building/drip

pad.

PICTURE TAKEN TOWARD: S

COMMENTS: Waste pile

visible on drip pad at

right. Note CCA stain on

edge of concrete pad and visible soil contamination.

DATE: June 20, 1991

TIME: 9:42 AM

PHOTOGRAPH TAKEN BY:

Bruce Ford

PHOTOGRAPH NUMBER: 8

LOCATION: South of the

treatment building.

PICTURE TAKEN TOWARD: N

COMMENTS: Outdoor mixing

tanks are shown with

concrete base and one-foot

high berm visible.





TIME: 3:15 PM

PHOTO TAKEN BY: Bruce Ford

PHOTOGRAPH NUMBER: 9

DATE: June 20, 1991

TIME: 3:16 PM

PHOTO TAKEN BY: Bruce Ford

PHOTOGRAPH NUMBER: __ 10

LOCATION: See aerial photo. Near the NW corner of the facility.

PICTURES TAKEN TOWARD: South

COMMENTS: From left to right are white office building, red

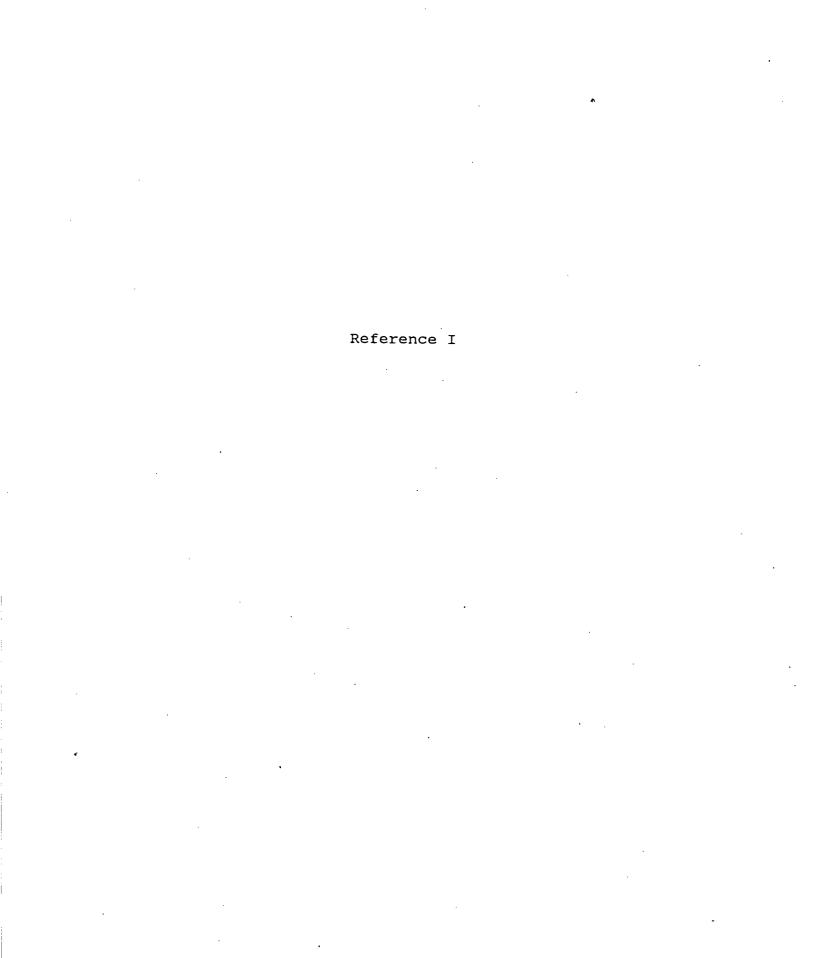
treatment building, and the orange building where raw lumber is

trimmed to dimension prior to pressure treatment. (The asphalt

parking lot near lower lefthand corner of photo #9 is part of

the Industrial Park.

SECTION 4 SUPPORTING DOCUMENTATION/REFERENCES





RICHARD E. BARTON, CAE

SUPERVISOR OF ASSESSMENTS

WILLIAMSON COUNTY COURTHOUSE MARION, ILLINOIS 62959



Phone (618) 997-1301 Ext. 142

Office Hrs. 8:00 - 4:00 Monday thru Friday

May 28, 1991

Bruce Ford IEPA/DLPC/RPMS #24 2200 Churchill Road Springfield, Il. 62794-9276

Re: Parcel # 06-14-428-013 (Perma-Treat)

Dear Mr. Ford:

I am writing in response to your letter dated May 23, 1991 regarding Perma-Treat.

Please find enclosed the following documents:

- 1. Copy of Property Record Card.
- 2. Copy of Memorandum of Agreement.

We show the current owner as the City of Marion with Rudy Bond buy on Contract for Deed. The tax bill is being sent to Rudy Bond, Perma-Treat Inc., P.O. Box 99, Marion, Il. 62959.

Trusting this information will be helpful to you.

Sincerely,

Richard E. Barton, CAE Supervisor of Assessments

REB/lv

encs.

RECEIVED

MAY 3 0 1991

IEPA/DLPG

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BUILDING RECORD COMMERCIAL INDUSTRIAL

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SECURITY AGREEMENT

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RUDY BOND (hereinafter called debtor) for valuable consideration, receipt whereof is hereby acknowledged, hereby grants to the CITY OF MARION, an Illinois incorporated municipality, (hereinafter Marion) a security interest in, and mortgages to Marion, the following described goods and any and all additions and accessions thereto: the building, all equipment therein, and appurtenances thereto, situated upon that property described with legal particularity in a certain agreement between these parties dated June 18, 1982.

To secure payment of the following obligation of debtor to Marion:

- 1. Indebtedness of debtor to Marion in the sum of $\frac{209.500.00}{10-18-82}$ evidenced by debtor's promissory note dated $\frac{10-18-82}{10-18-82}$.
- 2. Debtor's business is a manufacturer and sale of salt treated lumber.
- 3. If any of the property which is hereby secured is affixed to real estate, that real estate is described as follows:

A part of the WE 1/4 of the SE 1/4 of Section 14, T95, RZE of the 3rd P.M., Williamson County, Illinois, more particularly described as follows:

Commencing at the ME Corner of said quarter quarter section; thence in a southerly direction along the west line of said quarter-quarter a distance of 1283.58 feet to a point on the north Right-of-Way line of the Crab Orchard & Egyptian Railroad (C.O. & E RR); thence in a westerly direction along said north Right-of-Way line a distance of 434.28 feet to the Point of Beginning of this description; thence in a northerly direction with a deflection angle to the right of 89 degrees 14° 14°; said line being the west property line of Bulbert

1 Ex. B.

Oil Co.; a distance of 720.19 feet to a point; thence in a westerly direction on a line parallel to the north Right-of-Way line of the C.O.2 g Railroad a distance of 374.00 feet to a point; thence in a southerly direction with a deflection angle to the left of 85 degrees 18' 42" a distance of 156.89 feet to a point; thence in a southerly direction on a line parallel to the afore described east line an approximate distance of 564.00 feet to a point on the south Right-of-Way line of the COSE RR; thence in an easterly direction along said north Right-of-Way line an approximate distance of 380.7 feet to the Point of Beginning of this description; containing 6.3 acres, more or less.

The name of the record owner of said property is Marion.

Signed in duplicate and delivered on this /8 day of

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CITY OF MARION

BY Robert J. Butler, Mayor

RUDY BOND Debtor

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attorney or attorneys of any court of record to appear for the undersigned, in such court at any time after the occurrence of a default, and to confess judgment against him in favor of Marion or any other holder for such sum as may appear to be unpaid and owing hereon, together with interest and costs, (including resonable attorneys fees), and consent to the immediate furtion upon any such judgment. The undersigned hereby waives insuance of process and service thereof.

RUDY BOND

STATE OF ILLINOIS
WILLIAMSON COUNTY SE. 620 U

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MEMORANDUM OF AGREEMENT

THIS Agreement is made and entered into between the City of Marion, an Illinois incorporated municipality, (hereinafter Marion) and Rudy Bond, d/b/a R & C Specialty Wood Processing Co., (hereinafter Bond).

RECITALS

- Marion owns certain real estate (hereinafter property)
 which is suitable for commercial development.
- 2. Bond is desirous of acquiring the property for the purpose of constructing and operating a manufacturing plant for the salt treatment of lumber.
- 3. Marion is desirous of selling the property to Bond but only on the condition that it we developed and utilized for the purpose stated above.
- 4. In addition to selling the property to Bond on terms favorable to Bond, Marion will make certain efforts hereinafter described to assist Bond in obtaining financing for the said manufacturing plant.
- 5. Marion's undertakings herein are directed toward the end that the property be utilized for the purpose stated and that industry and commerce be stimulated and the citizenry thus benefited.

WHEREFORE, THE PARTIES do hereby agree as follows:

I. Purchase Price of Property

 Marion agrees to sell and Bond agrees to buy the property which is hereafter stated with legal particularity:

A part of the NE 1/4 of the SE 1/4 of Section 14, T9S, R2E of the 3rd P.M., Williamson County,

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- 7. The purchase price for the property is \$21,000.00, which shall be paid as follows:
 - (a) \$18,000.00 as of the date of the signing of this agreement;
 - (b) The balance of \$3,000.00, which shall not bear interest, at the time of the event hereinafter provided for.
- 3. Marion will convey marketable title to Bond at such time as the purchase price has been paid in full.
- 4. There is no right of prepayment with respect to the \$3,000.0.
- 5. Marion will give possession of the property to Bond as of the date of the signing of this agreement.

II. Direct Loan by Marion

- 1. Marion will make application for a block grant from the Illinois Department of Commerce in an amount not less than \$200,000.00.
- 2. If Marion is awarded said grant then it will loan Bond the sum of \$200,000.00 in consideration for his execution of the Promissory Note and Security Agreement appended hereto as Exhibits A & B respectively.
- 3. The \$3,000.00 balance on the purchase price shall be paid at such time as the above note is paid in full along with any accrued interest.

III. No Direct Loan by Marion

- 1. If Marion is not awarded said grant then Bond will be solely responsible for obtaining whatever financing he finds necessary and convenient for the construction and operation of the said manufacturing plant, and Marion will have no obligation to him except as hereinafter provided.
- 2. Marion will convey the property to Bond so that the same may be used by him as security for financing provided that:
 - (a) The \$3,000.00 balance on the purchase price is paid, and;
 - (b) The said property is mortgaged by Bond for an amount not to exceed \$21,000.00, and;
 - (c) Bond assigns all of his right of redemption , under any mortgage to Marion.

IV. General Provisions

1. This Agreement constitutes the entire agreement between the parties pertaining to the subject matter contained in it and supersedes all prior and contempolaneous agreements,

/0-/8-87

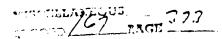
PROMISSORY NOTE

POR VALUE RECEIVED, the undersigned debtor promises to pay to the order of the City of Marion, an Illinois incorporated municipality; (hereinafter Marion) at the City Hall in Marion, in lawful mensy of the United States; the sum of \$209,000.00; with interest thereon at the rate of \$1/2 per particles and the rate of \$1/2 per particles of \$209,000.00; with interest thereon at the rate of \$1/2 per particles of \$1/2 pe

in the event of a default, this note shall, at the option of his long he socializated and become immediately due and payable of hose presentated; desand; notice or protest of any kind, all of which have supressly waived by the undersigned. The there is in a special to be to be to be the undersigned. The there is in a series of bey to bolder all expenses and expenditured in the large state attorney fees and legal expenses. It is not be to be to be the series of the feet of the state of the series of the feet of the series of the feet of the series of the provisions so excluded, waived, modified or limited all rights, powers and remedies of Marion, or of any other holder, are cumulative.

CONFESSION OF JUDGIERIT

The undersigned irrevocably authorises and empowers any



representations, and understandings of the parties. No supplement, modification, or amendment of this Agreement shall be binding unless executed in writing by all the parties. No waiver of any of the provisions of this Agreement shall be deemed, or shall constitute, a waiver of any other provision, whether or not similar, nor shall any waiver constitute a continuing waiver. No waiver shall be binding unless executed in writing by the party making the waiver.

- 2. This Agreement may be executed simultaneously in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
- 3. This Agreement is nonassignable by either party except insofar as Bond shall assign to Marion any and all rights of redemption in and to any mortgage executed by him of the subject property.
- 4. All notices, requests, demands shall be in writing and shall be deemed to have been duly given on the date of service if served personally on the party to whom notice is to be given, or on the third day after mailing if mailed to the party to whom notice is to be given, by first class mail, registered or certified, postage prepaid, and properly addressed as follows: City of Marion, City Hall, Tower Square Plaza, Marion, IL 62959; Rudy Bond, d/b/a R & C Specialty Wood Processing Co., Box 381, Paris, IL 61944 . Any party may change its address for the purpose of this paragraph by giving the other party written notice of the new address in the manner set forth above.

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The parties to this Agreement have duly day of June, 1982.

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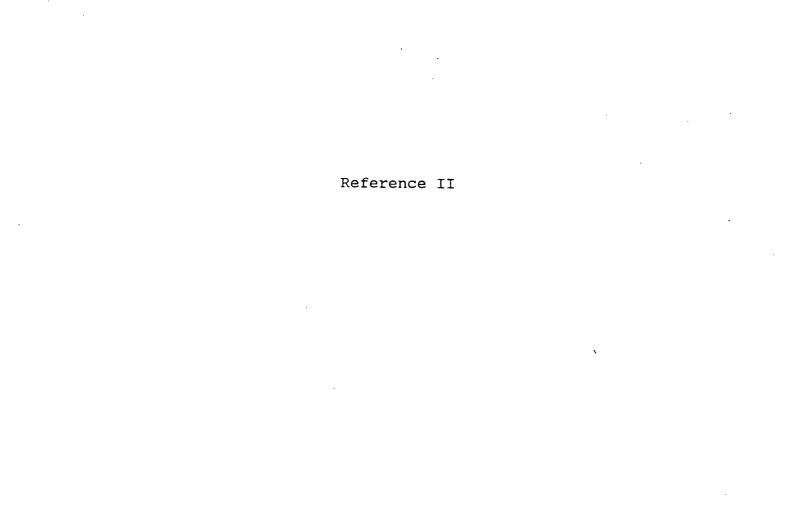
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DATE:

March 25, 1927

TO:

Land Division File

FROM:

G. E. Steele, DLPC/FOS

SUBJECT:

1990550010 - Williamson Co.

Perma-Treat

ILD063698971 F.O.S. Incident #3796

An investigation of a spill of C.C.A. (Copper-Chrome-Arsenic) wood preservative at the Perma-Treat plant in Marion was conducted on March 25, 1987 by this author. Mr. Rudy Bond of Perma-Treat called the Marion Regional Office at approximately 10:00 a.m. He stated that they had had a spill of the preservative from their retort the night of 3-24-87. Apparently, the door to the treatment cylinder did not get completely closed. When the cylinder was pressurized, the .9% chemical solution was forced out. Mr. Bond said between 5 to 10 gallons were lost. The spill did not leave the property. He had contacted the National Response Center, who informed him that this was not a reportable spill. He was calling IEPA because of past good working relationships and to insure that his cleanup plan was adequate.

The spill covered an approximate 5 yard x 15 yard area north of the treatment cylinder and west of the covered drip pad. Small ponds of bright green liquid were observed over this area. Mr. Bond planned to treat the affected area using cement as a neutralizing agent and absorbent. The entire area would then be excavated and the soil disposed of through their routine disposal site. (This site generates contaminated soil from cleaning catch basins associated with the treatment area). They were in the process of removing lumber from the area. A truck had been sent to pick up the dry cement. I observed a culvert adjacent to the spill site. I recommended this pipe be blocked until the clean-up was complete.

I left the site and proceeded to where the ditch which runs south of the plant, which the culvert empties into, was crossed by Court Street. The same bright green discoloration was observed in the ditch. I went over to Russell Street, which is one more block east. The bright green discoloration was still seen in the ditch. I returned to Perma-Treat and told them of my findings. I instructed them to notify the Illinois notification number as the spill had left the site. I returned to the Marion office to involve DWPC/FOS in this situation. The ditch, otherwise known as West Creek, empties into Crab Orchard Creek and Crab Orchard Lake, which are just downstream on the south edge of Marion. Dwight Hill continued the investigation with me. Thunderstorms had moved through the Marion area during the night on 3-24-88. We went to the Rt. 37 bridge over C.O. Creek, which is just before it enters the lake. A small amount of bright green discoloration was seen along the edge of back water near the bridge supports. None was seen in the flowing water. No indications were seen at Market and Boyton streets, or the Monroe Street Bridge. The discoloration was seen at the Ice Plant bridge (College and Granite) and was questionable at the Holland Street bridge. Water samples were taken at the ice plant and Holland Street. We returned to Permi-Treat.

APR 1 3 1988

JEPA-DLPC

Perma-Treat March 25, 1987 Page 2

Upstream and downstream samples were taken. Mr. Bond was anticipating adding concrete to the ditch to neutralize the material. This was discouraged as it would allow the metals to precipatate out, resulting in contaminated sediments. As flow rates in the creeks were high, and the solution was water soluble, no action will be taken with the material in the ditch. Mr. Bond modified the amount lost was 25 gallons. This was based on tank guage readings.

GES:cs/0473L/4-7-88

cc: DLPC-Marion DWPC-Marion

APRI 3 1988 IEFA-DLFO Reference III



Hydrology Division 2204 Griffith Drive Champaign, Illinois 61820-7495 Telephone (217) 333-4300 Telefax (217) 333-6540

Mr. Bruce Ford Illinois Environmental Protection Agency Division of Land Pollution Control - RPMS #24 2200 Churchill Road Springfield, Illinois 62794

Dear Mr. Ford:

As you requested during our telephone conversation on May 13, we are enclosing the available water well records from our files for the following locations in Williamson County:

TOWNSHIP	RANGE	SECTION
8 South	2 East	25,27
9 South	2 East	1-5,7-30,32-36
9 South	3 East	28,32
10 South	2 East	1

The following is a listing of the locations in Williamson County where there was no available information in our files:

TOWNSHIP	RANGE	SECTION
8 South	2 East	26,33-36
8 South	3 East	30-32
9 South	3 East	4-9,16-21
10 South	2 East	3

If you have any questions or if we can be of further assistance, please call.

Sincerely,

Trudy K. Dahl

Technical Assistant

Office of Ground-Water Information

Phone: (217) 333-9043

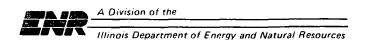
TKD/psh

Enclosures as stated

RECEIVED

MAY 2 4 1991

IEPA/DLYO



Wh. te Copy — III. Dept. of Public Health Yellow Copy — Well Contractor Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	b. Driven c. Drilled	al Bu Drive Pipe	ried Slab: Yes_ b Diamin. in Drift	Depthft.
	u. Grout.	(KIND)	FROM (Ft.)	TO (Ft.)
		Neat	O	3-5-
		72000		
		<u></u>	<u></u>	L
2.	Distance to Ne	arest:		
	Building	30 Ft.	Seepage Tile Fie	eld
	Cess Pool		Sewer (non Cast	iron)
	Privy		Sewer (Cast iron)	
	Septic Tank	50' + 1	Barnyard	
	Leaching Pit_	!	Manure Pile	·
3.	Well furnishes	water for human a	consymption? /Yo	esNo
4.	Date well comp	leted	1126/8	
5.	Permanent Pum	p Installed? Yes	sDate/	No
	Manufacturer_	Tyr	peLocal	ion
	Capacity	_gpm. Depth of d? YesNo_	Setting	7-7-7-Ft.
6.	Well Top Seale	d? YesNo_	Type <u></u>	satistales
7.		r Installed? Ye		
			Model Numb	er
	How attached to	o casing?		
		d? Yes		
		pment Disinfecte		
10.		Sizegal.	Туре	
	Location		· · · -	1/
11.	Water Sample S	ubmitted? Yes	No	<i>1</i>
REI	MARKS: Owner	instal	led L	ن
ır	own	pun	P.	
	F. D. 4.003			

GEOLOGICAL.	AND WATER	SURVEYS WELL	RECORD
ULULUUIU	MID BALLI		

	Property owner Donald	$()(1 \land 1)$			
10.		10000	Well No	:	370
	Driller Come 1. Alex	2mg Lines	- No	170	1-17
,,	Permit No. 105 23/	2 <u>~</u> Licens Date _	Hore	17	81
	Water from Sandy Sha			Fall	imson
-	Formation /		•		
14	at depth 6 to 65 ft.		.25T	<u> </u>	├ ┼╌┼╌┤
14.	Screen: Diamin. Length:ft. Slot		. 2 E	·	
	zenguu	Elev		·	
15.	Casing and Liner Pipe				
Dia	m. (in.) Kind and Weight	From (Ft.)	To (Ft.)	LOC	SHOW CATION IN
	6 Mastic Schil 40	0	55		TION PLAT
				145	145
16	Size Hole below casing: 6	in		i	,
17.	Static level 25 ft. below casin	 na top whic	h is	/	£ 11.
• • •	above ground level. Pumping leve	1 40 st.	when pu	mping	at 141
	gpm for 4 hours.		•	• •	•
18.	FORMATIONS PASSED THROUG	н	THICK	NESS	DEPTH OF BOTTOM
18.	FORMATIONS PASSED THROUGH	lac,			DEPTH OF BOTTOM
18.	FORMATIONS PASSED THROUGH	lay	THICK		
18.	Sandy C	lay			
18.	Sandy Gray S Ward Sandy	lay			
18.	Sandy Condy Sandy Sandy Sandy Standy	lay			
18.	Sandy C Sandy G Sandy gray s Hard Sandy	lae,			
18.	Sandy C Sandy G Sandy gray s Yand Sandy	lay			
18.	Sandy Condy Sandy Condy Sandy Sandy Sandy	lay			
18.	Sandy C Sandy gray s Hard Sandy	lay			
18.	Sandy C Sandy gray s Ward Sandy	lay			
18.	Sandy C Sandy G Sandy gray s Yand Sandy	lay			
18.	FORMATIONS PASSED THROUGH	lay			
	Sandy C Sandy gray s Yard Sandy	lay	2 /		
(CC	Sandy (Sandy gray s Yard Sandy Ontinue on separate sheet ip	lay kali '	.2	8 2 9	28 50 69
(CC	Sandy (Sandy gray s Yard Sandy Ontinue on separate sheet ip	lay	.2	8 2 9	28 50 69
(CC	Sandy (Sandy gray s Yard Sandy Ontinue on separate sheet ip	lay kali '	.2	8 2 9	28 50 69

INS CTIONS TO DRILLERS

Copy —
Dept of Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

				- .
1.	Type of Well			•
	a. Dug	Bored Ho	le Diamin	. Depthft.
	Curb materi	al Bu	ried Slab: Yes_	No
		Drive Pipe		
		Finished i		
		Gravel Pag		• .
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)
		7- T		
		mas		40
			-	
2	Distance to Ne	mest.		
~-		<u> </u>	Seengge Tile Fig	าส
	Cess Pool		• •	iron)
	Privy)
	Sentic Tank	50't	Barnvard	
	Leaching Pit	N	Janyara Pila	
3.		water for human c		
	B	· · · / / / / / / / / / / / / / / / / /	-r < - / 0	11
5.	Permant Pum	p Installed? Yes	Deta	No. X
J.	Manufacturer	Typ	oDute	110
6	Wall Top Society	gpm. Depth of 8	Tune Di	2.74:
7	Pitless Adontes	Installed? Ye		V
٠.				
	How attached to		Model Italia	
B	Well Disinfecte	d? Yes	No	
q.	Pump and Faul	oment Disinfected	12 Yes	No
0.		Sizegal.		
٠.	Location		1770	
1		ubmitted? Yes_	No.	7
REI	MARKC.			
120		-+ 11	1	
	Chuner	mstalle	& sum	P .
	_,		$II^ U$	/
		·	V	

	GEO	LOGICAL AND WATER	SURVEYS W	ELL RECO	RD
^	D	ly owner Leonal	boensalax	(u . 11 N	
υ.			inde	- 19 m	
	Driller	James a Tel	2 License	No. / 0 a	2 -1. 7
1			Date		3/84
	Water I		13. Count	45.45 (11)	mson
		Formation		,	
		th <u>if o</u> to <u>if t</u> ft.	Sec.		
4.		: Diamin.	· Twp.		
	Length	:ft. Slot	Rge.		X
	C:	and Lines Dine	Elev.		
		and Liner Pipe	y		
Di-	m. (in.)	Kind and Weight	From (Ft.)		CATION IN
	6	5D21	0	<i>L/ (</i>) 1	TION PLAT
			1	Inw	1000 22
				الداري	gation
	Static above	ole below casing: 6 level 30 ft. below casi ground level. Pumping lev r 4 hours.	ng top which		
8.	P	ORMATIONS PASSED THROUGH		THICKNESS	DEPTHOR
		ORBATIONS PASSED THROUGH	itt		DEPTH OF BOTTOM
		Jandy	Clay	30	BOTTOM 3
		Jandy	Clay Dale	 	30 50
		Sandy	Clay Dale	 	30 50
		Sandy Line Ita	Clay Itale ne	 	30 50 55
		Sandy Line sto	Clay Rale ne	 	30 50 55
		Sandy Line to	Clay Pale ne	 	30 50 55
		Jandy Line sta	Clay Dale ne	 	30 50 55
		Sandy Line sta	Clay Dale ne	 	30 50 55
		Sandy Line sta	Clay Pale ne	 	30 50 55
		Sandy Lime to	Clay Pale ne	 	30 50 55
		Jandy Line la	Clay Dale ne	 	30 50 55
		Sandy Line sta	Clay Pale ne	 	30 50 55
((CC		Jandy Line Ita	Clay Pale ne	 	30 50 55
((CC	DINITINUI	Sandy Line sta	Clay Pale ne	 	30 50 55 785

1DPH 4.065 1/74 - KNB-1 (59571-12½M Sets-6-74)

White Copy — III. Dept. of P. ealth Yellow Copy - Wel Itractor Blue Copy - Well Owner

FILL IN ALL PERTINENT INFORMATION REQL ED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUME | IEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

GEOLOGICAL AND WATER SURVEYS WELL RECORD

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

WELL CONSTRUCTION REPORT 1. Type of Well a. Dug Bored Hole Diam,in. Depthft. Curb material Burled Slab: YesNo b. Driven Drive Pipe Diamin. Depthft. c. Drilled Finished in Drift In Rock Tubular Gravel Packed d. Grout: (KIND) FROM (FL) TO (FL) Output	Address At 148 S. Kerun Driller Games A. Heer License 1 11. Permit No. 14692 Date 1 12. Water from Sand Jan. 13. County Formation	Moderation 17/2/2012 11/7/
2. Distance to Nearest: Building Ft. Seepage Tile Field Cess Pool Sewer (non Cast iron) Privy Sewer (Cast iron) Septic Tank _// O		LOCATION IN SECTION PLAT DOS ISON WELL SESEN
3. Well furnishes water for human consumption? Yes No 1	gpm for hours. Hack Hall als	to 1 / gal for me
5. Permanent Pump Installed? Yes Date No	18. FORMATIONS PASSED THROUGH	THICKNESS DEPTH OF BOTTOM
6. Well Top Sealed? Yes No Type Ling. with total Nanufacturer Model Number How attached to casing?	Sand group Shali Sanda Cone Sanda sakale	33 9c 3c /10
8. Well Disinfected? Yes No		
II. Water Sample Submitted? YesNoREMARKS:		
Ouner had grangs installed	(CONTINUE ON SEPARATE SHEET IF NECESSARY)	k uhe

IDPH 4.065 1/74 - KNB-1

- & Pink Copies:

II ept. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

Well Construction Report

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS
OF WELL COMPLETION AND SENT TO
THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
525 WEST JEFFERSON STREET
SPRINGFIELD, ILLINOIS 62761

١.	Type of Well
	a. Bored Hole Diamin. Depthft
	Buried Slab: Yes No
	b. Driven Drive Pipe Diamin. Depthft
	c. Drilled_X Finished in Drift In Rock_X
	(KIND) FROM (Ft.) TO (Ft.)
	d. Grout: MO WATER: HOLK WAS
	BACKFILLED WITH DRILL
	CUTTINGS + SCHRALY
2.	Well furnishes water for human consumption? Yes No
3.	Date well drilled
	Permanent pump installed? Yes Date No
	ManufacturerType
	Location
	Capacitygpm. Depth of settingft.
5.	Well top sealed? Yes No Type
6.	Pitless adapter installed? Yes No
	ManufacturerModel No
	How attached to casing?
7.	Well disinfected? Yes No
	Pump and equipment disinfected Yes No
	IMPORTANT NOTICE
	This State Agency is requesting disclosure of information
	that is necessary to accomplish the statutory purpose as
	outlined under Public Act 85-0863. Disclosiure of this
	information is mandatory. This form has been approved by
	the Forms Management Center.

PRESS FIRMLY WITH BLACK PEN OR TYPE

Do Not Use Felt Pen

	GEOLOGICAL AND WATE	R SURVEYS W	ELL RECORD	
9. Drille	er RONA(DD, BR) Site Address R.R.	ENCAND L	icense No 🖊	02-0016
10. Well S	Site Address K.K.	CARTE	KUILL,	EC_
ll. Propei	rty Owner <u>KICHARD</u>	MAUC DIX	<u>د</u> Well No.	. (
12. Permii	No. 139422	D	ate Issued_	1/1/03
13. Locati	ion;		ec. 7.16	CIAMISC
			wp. 9-5	
			ge. 2-E	
	hr /	•		
14. Water	from O WATER	at depth_	ft	XX
15. Casing	g and Liner Pipe	to	ft	Show location
Diam.(in)	Kind and Weight	From (ft)	To (ft)	in section
				plat
				1-5115
].)E Sel 3 errigati
			<u></u>	errigan
			!	•
	<u></u>	\ <u></u>		
	n: Diamin, Length			
	nole below casingin			
	levelft below casi			
	level. Pumping level			
cu. Earth	Materials Passed Throug	jn	Top	Depth of Bottom
	· · · · · · · · · · · · · · · · · · ·		100	Воссол
C(I)	a //		0	26
			 	1
SHALL	,		26	59
COAC			-0	
C- 27,4°C	·		59	60
BLAC	k Cimesjone		60	62
C-04L			62	66
	n separate sheet if nec	essarv.		

184774

FARM - Albert H. Broeking, Route 4, Marion, Illinois 62959
(Tele: 618-993-3220)

LOCATION - about 500'N, 2600'W, of SE corner

ELEVATION - 450' topograph'

WILLIAMSON 10-95-2E

DATE DRILLED - December 1964

DRILLER - A. W. Geer and Sons, 107 S. 2nd, Marion, Illinois 62959

TOTAL DEPTH - 150'

FORMATION - Pennsylvanian, 18" of coal at 85', 40" at 134', a dry hole to about 148'

CASING - 6" at 37'

WATER LEVEL - 37' from top (when drilled) not over 10' drawdown

TYPE OF PUMP - Wayne jet pump, jet set at 88' with gas trap, 40-gallon water system tank in basement

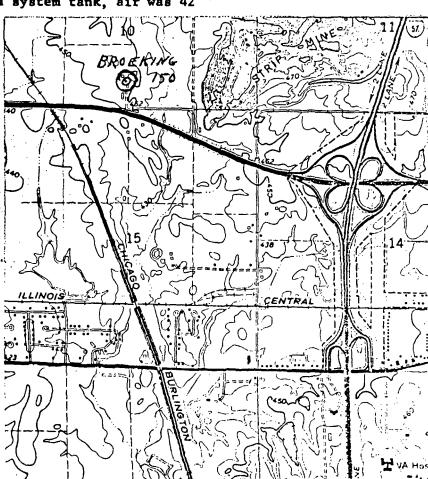
WATER TEMPERATURE - 5620 F thru system tank, air was 420

BAROMETER READING - 29.39"

GAS VOLUME - In 5 min. = 2" of gas in mason jar under water with 3 gallons of water per min. passing thru.

NOTE: Gas volume appears to be similar to 1st test in 1965 or perhaps slightly more.

By Wayne F. Meents Associate Geological Engineer



CityWest of Marion	County Williamson
Section 14 Twp. No. (in feet from two adjoining	
(in feet from two adjoining	g section lines)
Location (Kritick Kritick Krit	e of Sec. II.
Owner Skelly Oil Co.	of west side of Sec. 14, & 1410'S of e of Sec. 14. Authority
Contractor	Address
Date drilled unknown	Elev. above sea level top of well 450
Depth approximately 100'	Mes, Glean Diardia ———— Genelbilden ender Genelbilde
Log	
Note: The well is existing & n	o one has any additional information on this sheet.
Were drill cuttings saved	Where filed
Size hole If reduced, where and	d how much
Casing record 6" casing to bedro	ck; approximately 80'
Distance to water when not pumping	Distance to water is
feet after pumping at	G. P. M. forhours.
Reference point for above measurements	
Type of pump	Distance to cylinder
Length of cylinder	Length of suction pipe below cylinder
Length stroke	Speed
Hours used per day	Type of power
Rating of motor	Rating of pump in G. P. M.
Can following be measured: (1) Static water	r level
(2) Pumping level and solvass bas	(3) Discharge
(4) Influence on other wells	
	Was water sample collected
Date3-22-66	Effect of water on meters, hot water
coils, etc	
Date of Analysis	168602 Analysis No
	Recorder
2807-22617 12	Date

"CTIONS TO DIBLLERS

White Copy — III. Dept. of Public Health flow Copy — Well Contractor flow Croy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO \$TATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 555 WEST JEFFERSON, SPRINGFIELD, ILLHOIS, 62761. DO NOT DETACH CEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well a. Dro Pored Hole Diamin. Depthit. Curb material Buried Slab: YesNo
	d. Crost: (IRD) FEC. (FL) TO (PL)
	nut 0 50
7	Distance to Neurest:
Z.,	Building Ft. Seepage Tile Field Plone
	Cess Pool None Sewer (non Cast iron) 4
	Privy Sewer (Cast iron)
	Septic Tunk
	Leaching Pit Manure Pile /
3.	Well furnishes water for human consumption? YesNo
4.	Date well completed Quine 22/14
ij.	Date well completed
	Memiliacture: Type Location
	Capacity gpin. Depth of Setting Ft.
G.	Well Top Scaled? Yes No Type
	Pittons / dopter Installed? Yes No Ho
	Mc electurer Model N. For
	How attached to casing?
8.	Well Disinfected? YesNo
Ċ.	Pump and Equipment lasinfected? YesNo
	Pressure Yank Sizegal. Type
	Location
11.	Water St. ple Submitted? YesNoNo
	MARKE Cold in for removated Trust
	· · · · · · · · · · · · · · · · · · ·

.GEOLOGICAL AND WATER SURVEYS WELL RECO.D.

	dress - 6//2						· · · · · ·	
II. Pe	ller — Go	3056	6	Dat	e	سدلا	-/	7/197
12. Val	ter from	Journal of	OTTY!	<u>C</u> 13. (le.sit;	" T. J.	111	maon
	depth 262 t een: Diam.,			. <u>.</u>	sec	14	/d :	
	ngth:			F	ι αρ Κρεί	ZE		×
5. Ca:	sino and Lin	er Pla		-			i	
Islam. (i	r) K1	er Pig.	iai i	From C)[7	(1)	bo:	gayay. Mayaya a
6.	Blace	ite de	c40		<u> </u>	50	4 1/1	کان نم ر
			}				NOW	,,,,,,
6 Siz	e Hole belo:		_					
abo	tic level ve groupd le	vel. Pum						8
gbo gpn	ve ground le	vel. Pum	oing leve	150				8
abo gpn 5.	for for for for for for matter	vel. Pump nours.	THROUGH	150	ft. w	hen pe	NESS	1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
abo gpn 5.	for for for for for for matter	vel. Pump nours.	THROUGH	150	ft. w	hen pe	NESS	1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
abo gpn i.	ve ground le	vel. Pump nours.	THROUGH	150	ft. w	hen pe	NESS	1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
gbo gpn	for for for for for for matter	vel. Pump nours.	THROUGH	150	ft. w	hen pe	NESS	1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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abo gpn 5.	for for for for for for matter	vel. Pump nours.	THROUGH	150	ft. w	hen pe	NESS	1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
abo gpn 5.	for for for for for for matter	vel. Pump nours.	THROUGH	150	ft. w	hen pe	NESS	1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
abo gpn b.	for for for for for for matter	vel. Pump nours.	THROUGH	150	ft. w	hen pe	NESS	1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
abo gpn 5.	for for for for for for matter	evel. Pump nours. AS PASSED	THROUGH	oy lake	types	hen pe	NESS	1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

White Copy —
III. Dept. of Public, ulth
Yellow Copy — Well Centractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTED) MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706 DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well			
	a. Dug	Bored H	ole Diamir	. Depthft.
			uried Slab: Yes_	
	b. Driven	Drive Pi	pe Diamin	Depthft.
	c. Drilled	Finished	in Drift	In Rock
	Tubular	Gravel P	acked	
	d. Grout:		T	
		(KIND)	FROM (Ft.)	TO (Ft.)
		Test	10'	54'
	•			
_	D			
2.	Distance to Ne			• •
	•		Seepage Tile Fig	
	_		Sewer (non Cast	=
	Privy	561	Sewer (Cast iron)
			Barnyard	
	-		Manure Pile	
3.	Is water from th	us well to be us	sed for human con	sumption?
	Yes	No		
4.	Date well comp	leted <u>O</u> c	X 10/69	
5.	Permanent Pum	p Installed?	Yes	No
	Manufacturer	·	Туре	
	Capacity	qpm. Dep	th of setting	ft.
6.	Well Top Segled	12 Yes 1	No	
			resN	
0	Wall Disinfacts	anstanea.	No	·
9.	Water Sample S	ıbmitted? Ye	s N	10
			s above	
	-	_	recourse (d do mot
S	ill or	Set 1	pumps	
IDI	PH 4.065	V	•	
10/	68			

GEOLOGICAL AND WATER SURVEYS WELL RECORD

	() An	c V.				
10.	Property owner James 7	Hooray	Well No); <u> </u>		
	Address R # 2 Priller One Q Pres	Licens	<u>ب ر</u>	9 5	- 44	5
11		Licens	se No. —	<u> </u>	3 6	' ''
	Water from Sandatine	13. Cou	nty 9	illi	moo	سے الا
	Formation at depth 20 to 90 ft.		/3,			=
14	Screen: Diamin.		25	<i>[a</i>]—	╂╼╂╼╁	
14.	Length:ft. Slot		. 2 E	• ├	 - - 	_
		-	v	_		_
15.	Casing and Liner Pipe			L_		
Die	m. (in.) Kind and Weight	From (Ft.)	To (Ft.)		SHOW CATION	IN
-	TOD. Black		54		TION PL	TA
	228			200	05/	00'4
				NE	/c Si	5
16.	Size Hole below casing: 4	in.		,		
17.	_	ng top whic	ch is	8	//	ft.
	above ground level. Pumping lev					
	gpm for <u>4.</u> hours.					
18.	FORMATIONS PASSED THROUGH	ЭН	ТНІСН	CNESS	DEPTH () F
	Clay	_	2	5-1	23	= /
	Soft gray ,	Thal	2	5	50	,
	la-() k	at	5	- ^		<u> </u>
	gray sa	va etan	<u>در م</u>	<u></u>	70,	<u> </u>
	_				ļ	_
-						_
	<u>, , , , , , , , , , , , , , , , , , , </u>	····				_
					 	
						_
	ONTINUE ON SEPARATE SHEET IF	NECESSARY	<u> </u>		l	_
(C)		•	•	,		
SIGI	VED James a.	Leese DA	TE	10/.	24/	<u> </u>
					\mathcal{T}	
				•	•	

LOG OF WATER WELL

Property owner Course Transfer Minoritor		·
Drilled by	Year/	1766
Formations passed through	Thick-	Depth of Bottom
Transfer	9	9
Motor and West Short	43	
hand stall and date !	110	
The section of	1-	105
Landy shale	6	7/
		·
55 to 71 water		<u> </u>
Received 11-25-66		
		<u> </u>
[Continue on back it necessary] Finished in to the finished in	. 7	/ ft.
Cased with inch from 0 to		
and inch trom t	ř.	ft.
Size hole below casinginch. Static level from surf		ft.
Tested capacity gal. per min. Temperatur	·c	·F.
Tater lowered toftin. inhr	·s	min.
ength of test hrs min. Screen		
Not Diam Length Bottom set	t at	ft.
ownshi name Marie Elev Show location in Sect	ion r me] ec. (
scription of location SW-SE-SW	1-1	wp ? S
Seription of location	1-1	0.10
		ge.
Signed County County Copy for Illinois State Geological Survey Index:	11.0	

White I Public Health
Ill. De of Public Health
Yellow Copy – Well Contractor
Blue Copy – Well Owner

1. Type of Well

FILL IN ALL PERTINENT INFORMATION R. JESTED AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

			Buried Slaby Yes		
			pe Diamin		
			d in Drift		
			acked		- •
	d. Grout:			• 	_
		(KIND)	FROM (Ft.)	TO (Ft.)	4
		Class	.0	48 st	
		1		/ / /	
		· · · · · · · · · · · · · · · · · · ·		17	
_	5	4			
2.	Distance to No	<i>r</i> -	C	. 1.3	
	Cess Pool	F .		ield	
	Privy		ewer (non Cast		
	Sentic Tank		Barnyard	*	
			Manure Pile	2.50	-
_	•	4	•		_
3.		inis well to be u	sed for human cor	isumption?	•
	Yes	~		٠. سي ٠	
		//	10/96		-
5.	Permanent Pu	np Installed?	Yes	No	-
	Manufacturer _		Typept :ting		
	Capacity	crm. De	pt. ting	·	ft.
			No		
7 .	Pitless Adapto	or Installed?	YesN	10 -771 (5	7 6
8.	Well Disinfect	ed? Yes		My not l	ey mx.
9.	Water Sample S	Submitted? Yo	es l	Vo 8	_
				-> }	_
RE	MARKS:			•	
		*	0	t. I le -	. 4
r	willing	anin 6	lisinge	200	ne.
F	The A. O.	1/1.00	set un	1 hand a #	~ ~ ~ ~ ~
/:/					and a
Lu		-p	have di	, ,	the?
	- 11. 9	Blonit	have a	uk this	a to
4					
		- Shurr	instilat	20-16 (0)	7.000

	GEOLOGICAL	WATER	SURVEYS	WATER	WELL	RECORE
--	------------	-------	---------	-------	------	--------

10. Dept. Mines and Minerals permit No. 4/2 Year / 16 & 11. Property owner Garren M. Midrock Well No. Address A.B. H. Ancord Yellow Well No. Driller Charles No. 92-100 12. Water from Secondary 13. County 1 Theorem at depth 15 to 15 t	.: .	Contraction of the			
at depth of type It. 10.5 14. Screen: Diam		Property owner Gancal W. A. Address R.R. # 11-11	aven 3	Well No.	
Length:ft. Slot Rng. 1		Water from Formation	<u>2</u> 13. Сош	nty 2076	2000
Diam. (in.) Kind and Weight From (Ft.) To (Ft.) 7 // Static level 2 ft. below casing top which is ft. above ground level. Pumping level 5 ft. when pumping at 3 gpm for hours. 18. FORMATIONS PASSED THROUGH THICKNESS DEPTH OF BOTTOM SANAY Also level 5 ft. when pumping at 3 ft. above ground level. Thickness Depth of Bottom	14.		Twp Rng	98 2E	
16. Size Hole below casing:	15.	Casing and Liner Pipe			
17. Static level Z ft. below casing top which is ft. above ground level. Pumping level ft. when pumping at 30 gpm for hours. 18. FORMATIONS PASSED THROUGH THICKNESS DEPTH OF BOTTOM Sarry Male 57/7, 105/7	Dia			HELT. SEC	CATION IN
Sardy shale :57/4, 10.57		Static level 3 ft. below ca above ground level. Pumping le	sing top whic		
	18.	PORMATIONS PASSED THRO	UGH	THICKNESS	DEPTH OF BOTTOM
		Sandy shole		5714	1050
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		<i></i>		7"	7
(CONTINUE ON SEPARATE SHEET IF NECESSARY)					
(CONTINUE ON SEPARATE SHEET IF NECESSARY)					1
(CONTINUE ON SEPARATE SHEET IF NECESSARY)			•		
(CONTINUE ON SEPARATE SHEET IF NECESSARY)			 		
(CONTINUE ON SEPARATE SHEET IF NECESSARY)		·			
	(C	ONTINUE ON SEPARATE SHEET IF	NECESSARY)		
		-0			

SIGNED Clonge Sect DATE Oct. 15198

White Copy — III, Dept. of Public Health Yellow Copy — Well Contractor Blue Copy — Well Owner

In RUCTIONS TO DRILLERS

FILL IN ALL PERTINENT INFL. ATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well	_		
			Hole Diamir	
			Buried Slab: Yes_	
			Pipe Diamin.	
	•		sed in Drift 💢	
	Tubular	Gravel	Packed	
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)
		(8.8.2)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70 (11.7
				
			l	
2	Distance to Nea	moet:	•	
~-	Building		Seepage Tile Fie	-ld
	Cess Pool			iron)
	Privy)
	Septic Tank			
	Leaching Pit			
3.			an consumption? Ye	
4.	Date well compl	eted 18	SCPTEL	
5.	Permanent Pump	Installed?	Yes Date	No_X
			TypeLocal	
			of Setting	
6.	Well Top Sealed	? Yes X	NoType	
7.	Pitless Adapter	Installed?	Yes No	
	Manufacturer		Model Numb	er
	How attached to	casing?		
8.	Well Disinfected	l? Yes_★	No	
9,	Pump and Equip	ment Disinfe	cted? Yes	No
			al. Type	
	Location			
1.	Water Sample Su	bmitted? Y	(esNo_ 	Carlot off
REI	MARKS:		,	
			•	

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10,	Proper	ty owner DICK HEA	ITH	. W	ell Na	۰	
	Addres	SS L. P MARIE	id, JCC		<u> </u>		
	Driller	KON BLANKAN	<u>Licens</u>	se.	No. 🏒	07	-18-7
11.	Permit	No. 104825	Date _	_	4.5Z	PT	52
12.	Water i	from SANDSTONE	13. Cou	nty	10	,	HAZON
	at dept	th <u>15</u> to <u>40</u> ft.	Sec.		1600	#	
14.		: Diam. <u>(</u> in.	Twp	٠	9-5		T T X
	Length	n: 15 ft. Slot <u>• 🕮 3</u>	<u> </u>	٠ _	3-E		1-1-1
			Elev	7		.	╂╍╂╼╂╼┫
		and Liner Pipe				_ L_	لسلسلسا
Dia	m. (ln.)	Kind and Weight	From (Ft.)	ř	(Ft.)	LO	SHOW CATION IN
	6	STEE(, 280	7/	ပ	20	BEC	TION PLAT
						NE	SE ME
		·		_			ighter
16.	Size H	ole below casing:	in.	_		· • • • • • • • • • • • • • • • • • • •	1.00.00
		level _//_ft. below casi		:h	is	1	. ft.
	above	ground level. Pumping lev	el 15 ft.	w	hen pu	mpine	1 at . 3 C
	gpm for	r <u>24.</u> hours.	•		•	•	
	<i>J</i> •	, 					
18.		ORMATIONS PASSED THROUGH	ЭН		THICK	N E 99	DEPTH OF BOTTOM
	P	ORMATIONS PASSED THROUG	эн			NE95	DEPTH OF BOTTOM
<u></u>	CAY	ORMATIONS PASSED THROUG	эн		<u> </u>		10
<u>ر</u> ج	(AY Ano)	CLAY	эн -			6	15
<u>ر</u> ج	(AY Ano)	ORMATIONS PASSED THROUG	БН			Ø	10
<u>ر</u> ج	(AY Ano)	CLAY	ЭН			6	15
<u>ر</u> ج	(AY Ano)	CLAY	ЭН			6	15
<u>د</u> ج	(AY Ano)	CLAY	СН			6	15
<u>د</u> ج	(AY Ano)	CLAY	ЭН			6	15
<u>د</u> ج	(AY Ano)	CLAY	3H			6	15
<u>د</u> ج	(AY Ano)	CLAY	ЭН			6	15
<u>د</u> ج	(AY Ano)	CLAY	ЭН			6	15
<u> </u>	CAY AND ELL	V C (1)				6	15
<u> </u>	CAY AND ELL	CLAY	NECESSARY		ر دن	\$.5 .5	10 15 40
<u>C</u> <u>S</u> <u>Y</u>	CAY AND ELL	CONMATIONS PASSED THROUGH	NECESSARY		ر دن	\$.5 .5	15 40
<u>C</u> <u>S</u> <u>Y</u>	CAY AND ELL	V C (1)	NECESSARY			\$.5 .5	15 40

IDPH 4.065 1/74 - KNB-1 (59571--121;M Sets-6-74) ◆ 100-5

Pink Copies: Ill. Wept. of Public Health Yellow Copy: Well Contractor Golden Copy: Well Owner

THIS FORM MUST BE COMPLETED WITHIN 30 DAYS OF WELL COMPLETION AND SENT TO THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH DIVISION OF ENVIRONMENTAL HEALTH 525 WEST JEFFERSON STREET SPRINGFIELD, ILLINOIS 62761

GEOLOGICAL AND WATER SURVEYS WELL REC	
	140 00110
JAN 2, 3 1989 9. Driller RONACP BEANCARD License 10. Well Site Address 3/ (AKRUW, MAKION DIVISION OF 11. Property Owner DENNIS RYCL Well ENVIRONMENTAL HEAL Fermit No. 139/68 Date Iss 13. Location: County Coun	No / / / / - C O / 0 7-
OF 11 Property Owner Of any 5 K Will Wall	No 1
DIVISION UP 11. From the No. 139/168 Date Ise	ued 7/21/88
ENVIRONMENTAL MARCHINE	SILLIAMSON
Sec. 16	36
Twp. 9-	
Rge2-	
· · · · · · · · · · · · · · · · · · ·	
ft 14. Water from ANOSTONE at depth 150 f	t
k X 15. Casing and Liner Pine to 600 f	t Show location
Diam.(in) Kind and Weight From (ft) To (ft) in section
(e PUC SDR-21 +1 63	plat
	NW SE SE
	hu së së brighten
	7 9
No. <u>×</u>]
	7
No	_}
Su b_	
in, Lengthin, Slot Size	
ft. 17. Size hole below casing (e in. 18. Ground Elev	
19. Static level 30 ft below casing top which is 1	
ground level. Pumping level 180 ft, pumping gpm	
	of Depth of
Top	Bottom

600

Continue on separate sheet if necessary.

1.	Type of Well
	a. Bored Hole Diamin. Depthft
	Buried Slab: Yes No
	b. Driven X Drive Pipe Diam. in. Depth ft
	c. Drilled Finished in Drift In Rock_X
	(KIND) FROM (Ft.) TO (Ft.)
	
	THUS HELD USE AND USE
	Dell com/s
	L
2	Well furnishes water for human consumption? Yes No
۷.	
3.	Date well drilled 7/23/88
4.	Permanent pump installed? Yes X Date 7/25/8 No_ Manufacturer CCUCDS Type Sub
	Location WELL
•	Capacity 20 gpm. Depth of setting 300 ft.
5.	Well top sealed? Yes No Type WELL SEAL
6.	Pitless adapter installed? Yes No_X_
	Manufacturer Model No
	How attached to casing?
7.	Well disinfected? Yes X No
8.	Pump and equipment disinfected Yes X No
	Co#23458
	(1) #23430
	IMPORTANT NOTICE
	This State Agency is requesting disclosure of information
	that is necessary to accomplish the statutory purpose as
	outlined under Public Act 85-0863. Disclosiure of this
	outlined under Public Act 85-0863. Disclosiure of this

information is mandatory. This form has been approved by

PRESS FIRMLY WITH BLACK PEN OR TYPE Do Not Use Felt Pen

the Forms Management Center.

ILL. DIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

ı.	Type of Well
	a. Dug Bored Hole Diamin. Depth/20 ft.
	Curb material Buried Slab: YesNo
	b. Driven Drive Pipe Diamin. Depth 120 ft.
	c. Drilled X Finished in Drift In Rock X
	Tubular Gravel Packed
	d. Grout: (KIND) FROM (Ft.) TO (Ft.)
	Cenest 5 42
	+ Drill
	Cutting
2.	Distance to Negrest:
	Building 15 Ft. Seepage Tile Field None
	Cess Pool None Sewer (non Cast iron)
	Privy None Sewer (Cast iron) X
	Sertic Tank 75 Barnyard None
	Leaching Pit None Manure Pile None
	Is water from this well to be used for human consumption?
	Yes No
4.	Yes No No 1968 Date well completed Aug 1968
5.	Permanent Dump Installed 2 Ver No.
	Manufacturer Type Canacity and Deeth of setting ft
	Capacitygpm. Depth of settingft.
6.	Well Top Sealed? YesNo
	Pitless Adaptor Installed? YesNo
	Well Disinfected? Yes No
9.	Water Sample Submitted? YesNo
RE!	WARKS:
	ALL DAMP INSTALLED

(GEOLOGICAL WATER SUR	VEYS WATER Complete		RE	CORD
10	Dept. Mines and Minerals permi	11 No 1549	, v.		1918
10. 11.	Property owner 6777	Mino. 1. V	Lall Ma	ar Z	72.0
11.	Address 1127277 V/		nen 110		
•	Driller GiRichel		No. Z	12	
12.	Water from Sound Develop	13. Count	y 15/1/1	272	75077
	at depth 50 to 110 ft.		16.6a		
14.			9-5		
• •	Length:ft. Slot	Rng.	2-5		
		Elev.			
15.	Casing and Liner Pipe		•	انيا	<u> </u>
Die	em. (in.) Kind and Weight	From (Ft.)	ro (Ft.)	<u> </u>	SHOW
1	S/cc/ 194			ECT	NI NOITA FAJI NOI
1-	2 2,00		<u>~~</u> \;	Su) SES.
<u> </u>				_	
	Size Hole below casing:		,		
17.	Static levelft. below co				
	above ground level. Pumping l	evel <u>//5</u> ft. v	when pump	ing	at _2_
	gpm for/_ hours.				
18.	FORMATIONS PASSED THRO	UGH	THICKNE	ss	DEPTH OF BOTTOM
	C.U.C. C. V. A	126			
	SUMPICE SANAY C	(2)	33	2	03
	Sandy Yellow	0/7/10	1 2		40
	6-104 Shola		3		13
	Synd ROCK 1	610X	1 _ / 5	5	38
7	Gray Shale		1	7	7.5
1	Jark Cray Style -	Sandy	20	9	95
	219ht Gry Suyle	9		3	98
(C	ONTINUE ON SEPARATE SHEET II	F NECESSARY)			
	7		01	/er	

DATE <u>AUG-1918</u>

Black Slate	7	105
Light Shale	3	108
Sand rock	7	115
Sandy shale - hard	5	120

White Copy —
III. Dept. of Publ ...ealth
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTE NO MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb materia b. Driven c. Drilled	al Bu	ried Slab: Yes_e Diamin. n Drift	Depthft.
	d. Grout.	(KIND)	FROM (Ft.)	TO (Ft.)
		NEAT	0	39
2.	Distance to New Building	<u>ට</u> Ft. S	• -	eld iron)
	D-1		•)
	Septic Tank			
_				
		is well to be use		• .
4.	Date well comp	No leted p Installed? Yt	5/4/0	2
5.	Permanent Pum	p Installed? Y	s1	No
	Manufacturer		Туре	
	Capacity	gpm. Depti	n of setting	ft.
6.	Well Top Sealed	1? Yes	No	
		Installed? Yed? Yes		
		ıbmitted? Yes	•	
		•	_	
REM	MARKS: 5 or	ie ilen	no alvor	e L-Can
not	t answ	er be	canel	Ido
ne IDF	+ Set	or Se	le gu	mf.
10/	′68			

GEOLOGICAL AND WATER SURVEYS WELL RECORD

_	- 291	1	J			
10.	Property owner	dgens		o: —		-
	Address			<u> </u>		-
		Licens				-
	Permit No. 7426	Date _			169	-
12.	Water from Formation	13. Cou	nty	461	17.000	_^~~
	at depth <u>55</u> to <u>60</u> ft.	Sec	1.7.	2.F	1	7
14.	Screen: Diamin.	Twr	s. 95	_ -	 - - -	4
	Length:ft. Slot	Rae	. 2E	<u> </u>	╂╾╂╌╂╌	
		-	٧,	_	 -	4
15.	Casing and Liner Pipe			¯ <u>L</u>		ا
Dia	m. (in.) Kind and Weight	From (Ft.)	To (Ft.)	1	SHOW	_
	Theo. Black		20	SEC	CATION IN	T
14		0	3/	180'	N 200	'W of SW SE
-	102/-		 	100.	1. 50	SIN SE
<u> </u>	new Seanless			25	IC SE	3000
	Size Hole below casing:6 "			_		
17.	Static level _5_ft. below casin					
	above ground level. Pumping leve	el <u>La</u> ft.	. when p	umpin	g at <u> </u>	-
	gpm for <u>4</u> hours.					•
18.	FORMATIONS PASSED THROUG	н	THIC	KNESS	DEPTH OF BOTTOM	F
	Gallow Cla	41	्र	9	39	-
	5-0 12	<u>()</u>		7/	70	_
	tandy in	Σ', C	- 	ري	1.3	_
			l		<u> </u>	_
					 	-
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	 	·			 	_
						_
						•
					L	-
(CC	ONTINUE ON SEPARATE SHEET IF	NECESSARY .'	0	,		
SIGI	IED Chanks (1)	CCE DA	TE	6/	6/6	9
זמנט		UA		7		4
			1		•	
	•		•	-		

INSTRUCTIONS TO ILLERS

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FILL IN ALL PERTINENT INFORMATION REQUESTE \ND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DÉTACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well
	a. Dug Bored Hole Diam. 6 Lin. Depth 165ft.
	Curb material Buried Slab: YesNo
	b. Driven Drive Pipe Diamin. Depthft.
	c. Drilled Finished in Drift In Rock Tubular Gravel Packed
	Tubular Gravel Packed d. Grout:
	(KIND) FROM (Ft.) TO (Ft.)
	6rill 5 47.
	Cuttings
_	
2.	Distance to Nearest:
	Building 13 Ft. Seepage Tile Field 10072 &
	Cess Pool 266 Sewer (non Cast iron) 555 Privy 126 Sewer (Cast iron) 10776
	Privy Sewer (Cast iron) NOTE Septic Tank 12:176 Barnyard NOTE
	Leaching Pit 1271 @ Manure Pile 2077 @
_	•
	Is water from this well to be used for human consumption?
A	Yes No
4.	Date well completed/
Э.	Permanent Pump Installed? YesNo
	ManufacturerTypeft.
_	Well Top Sealed? YesNo
	Pitless Adaptor Installed? YesNo
	Well Disinfected? Yes No
9.	Water Sample Submitted? YesNo
RE	MARKS:

	GEO	LOGICAL A	AND WATER	SURVEYS	WELL F	RECC	ORD
10.		ty owner #4		ndl	<u> </u>	•	<u>/</u>
	Permit Water	No. $\frac{7}{50}$	matter ely	Date _ 13. Cou	_7-S nty_ <i>W</i>	_	212 5 12711827
	Screen Length		in. :lot	Twr Rge	. <u>18, 10</u> 5. 91 S . <u>2 E</u>		
15.	Casing	g and Liner F	ipe			<u> </u>	
Dia	m. (in.)		nd Weight 23 世	From (Ft.)	To (Ft.)		SHOW CATION IN TION PLAT
	,					عد	112 01
17.	Static above gpm fo	level 12 ground level r 2 hour		ng top whice el 100 ft.	when pu	mping	
18.	F	ORMATIONS F	ASSED THROUG	iH	THICK	NESS	DEPTH OF BOTTOM
	SU1	Face >	clian C	Jay_	1	2	1.7
	Gr	7 Y Sho	10			8,	50
	(in)	12 Y SH	3/0-527	ndY		7	52
	W	hite	Synd R	004	5	8	105
						· · · ·	
							<u> </u>
							
(CC	UNITHO	E ON SEPARA	TE SHEET IF	NECESSARY	I		!

IDPH 4.065 10/68 FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb materia b. Driven c. Drilled	nl Drive P Finishe	Hole Diam Buried Slab: Ye ipe Diam d in Drift Packed	in. Dep In R	_No oth	ft.
	d. Grout:	(KIND)	FROM (Ft.)	Т	O (Ft.)	
		СЕНТЫТ	10		0	
2.	Cess Pool Privy Septic Tank	NONE Ft. NONE NONE NONE	Seepage Tile I Sewer (non Ca Sewer (Cast in Barnyard Manure Pile	st iron) on)	N	ONE ONE ONE
2	•		used for human c			
					1011 1	
4.	Date well comp	leted	3/16/	13		
5.	Permanent Pum	p Installed?	Yes	_ No	R	
	Manufacturer	Webtrol	Type_1	H.P.	بطيدة	<u>~~~</u>
	Capacity	дрт. De	pth of setting	28	<u> </u>	ft.
6.	Well Top Sealed	1? Yes	<u> </u>			
			Yes			
8.	Well Disinfected	i? Yes	XX No			
9.	Water Sample St	ibmitted? Y	'es	No	XX	
REN	MARKS:	/	,			

GEOLOGICAL	AND	WATER	SURVEYS	WFII	RECORE
GEOLOGICAL	AIND	II A L L.I.	SOUTH	11 6 6 6	LILCUIL

10. Property owner SPELL PIPE			
IU. Property owner - www.au. a.a.a.a.	LUE	Well No. 1	
MARTON TIT.	TOTS		
Driller FRANK EEPP, Jd.	Licens	e No. <u>22-</u> 5	්ර්ර් වි
11. Permit No. 19607	Date	6/25/12	
12. Water from Formation		nty <u>WIIIII</u>	NOSON
at depth toft.	Sec.	22/0	
14. Screen: Diamin.	•	00	
Length:ft. Slot	-	-222	
15. Casing and Liner Pipe	Elev		
Diam. (in.) Kind and Weight	From (Ft.)	To (Ft.)	SHOW CATION IN
6 5/8 19# STEEL	+1).O SEC	TION PLAT
5 1/2 GALVANIZED	40	300 5	esese
16. Size Hole below casing:	in.		
17. Static level <u>57</u> ft. below casi		h is	ft.
above ground level. Pumping lev			
gpm for hours.	•		
18. FORMATIONS PASSED THROUGH	5H	THICKNESS	DEPTH OF BOTTOM
CLAY		, .	li .
		66	6
LIGHT BROWN SANDSTONE		<u>1</u> 5150	
LIGHT BROWN SANDSTONE BLACK SHALE			2210u
		15160	2210u
BLACK SHALE		15160 3160	2210" 26
BLACK SHALE COAL		15160 3160	2210 ¹¹ 26 27
BLACK SHALE COAL LIGHT GRAY SHALE SANDY SHALE		1516n 316n 1	2216# 26 27 31 35
BLACK SHALE COAL LIGHT GRAY SHALE SANDY SHALE SHALEY LIGHT GRAY SAUDSTONE		15160 3160 1 1 1 1	2216# 26 27 31 35 Jul
BLACK SHALE COAL LIGHT GRAY SHALE SANDY SHALE SHALEY LIGHT GRAY SANDSTONE SHALEY SANDY LINESTONE		1516n 316n 1 1 1 1 6	2216# 26 27 31 35 11
BLACK SHALE COAL LIGHT GRAY SHALE SANDY SHALE SHALEY LIGHT GRAY SANDSTONE SHALEY SANDY LIMESTONE SHALEY SANDSTONE		1516n 316n 1 1 1 1 6 3	2216# 26 27 31 35 Jul
BLACK SHALE COAL LIGHT GRAY SHALE SANDY SHALE SHALEY LIGHT GRAY SANDSTONE SHALEY SANDY LINESTONE	NECESSARY	1516n 316n 1 1 1 1 6 3	2216# 26 27 31 35 41 44

IDPH 4.065 10/68

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FILL IN ALL PERTINENT INFORMATION REQUESTED AND MAIL ORIGINAL TO STATE DEPARTMENT OF PUBLIC HEALTH, CONSUMER HEALTH PROTECTION, 535 WEST JEFFERSON, SPRINGFIELD, ILLINOIS, 62761. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb materi b. Driven c. Drilled	Bored Holad Bu Drive Pipe Finished i Gravel Page	ried Slab: Yes_ Diamin. n Drift	Noft.
	d. Glout.	(KIND)	FROM (Ft.)	TO (Ft.)
		NEAT	0	67'
		<u> </u>		<i></i>
2.	Distance to Ne			
	Building		Seepage Tile Fie	
	Cess Pool		ewer (non Cast	
	Privy		Sewer (Cast iron)	
	Septic Tank		Barnyard	
_		N		
3.	Well furnishes	water for human c	consumption? Ye	8 No
4.	Date well comp	leted	111/83	11.100
5.	Permonent Pun	p(Installed? Yes	A Day Hack	4/X3 No
	Manufacturer	Youlds Typ	Locat	ion
•		_gpm. Depth of S		
D.	Well top Seale	d? YesNo_	Type	wary carp.
7.	Manufacturer	r Installed? Ye	SNO	- PASIAP
	How attached to	o casing?	Model Numb	er <u> </u>
R	Well Disinfects	d? Yes	No.	·
		pment Disinfecter		No -
10.	Pressure Tonk	Size <u>LA</u> gal.	Type A	Vas
	Location	La Rouse	- 17	
11.		ubmitted? Yes.		7
				0 0
	Wealth	Depur	t cha	chel
	for	Lacter	 م	
		-		
10	PH 4.065			•

IDPH 4.065	
1/74 - KNB-1	
(5957112)/M Sets6-74)	→ 5

GEOLOGICAL AND WATER SUBVEYS WELL RECORD

10. Property owner DENNIS TREGOING	Well No.	
Address R. R. 6		
Driller JANESA. CEER License	No / 4 J	-,67
11. Permit No. //02//	Oct 27	7/83
12. Water from Sandstone 13. Coun	ty WILL	AM501V
	223h	
14. Screen: Diamin. Twp.	25	
· · · · · · · · · · · · · · · · · · ·	2E	
Elev		╂╼╂╼╂
15. Casing and Liner Pipe	, L	
Dism. (in.) Kind and Weight From (Ft.)	To (Ft.)	SHOW Cation in
6" PLASTIC-Schuldo 0		TION PLAT
41" (1)	130	1757 172
7		
16. Size Hole below casing: 6 in. To	130'	
17. Static level 20 ft. below casing top which	h is	<u> </u>
above ground level. Pumping level ft.	when pumping	j at
gpm for hours. He will	1 11	•
gpm for hours. Head well	1 gal	per min
18. FORMATIONS PASSED THROUGH	THICKNESS	
	THICKNESS	DEPTH OF BOTTOM
	#6 26	DEPTHOP BOTTOM 20 66 92 97
Sandy gray Tumbro and San Salfur Haller and oal	#6 26	20 66 92 120
Sandy gray Tumbro and San Salfur Haller and oal	#6 26	20 66 92 //20 2/6
Sandy gray Tumbro and San Salfur Haller and oal	#6 26	20 66 92 //20 2/6
Sandy gray Lumbo and San Salas Hater and oal gray Land, whate gray I hade gray Course Sand Jand whale	THICKNESS - 20 246 - 26 - 5 - 23 - 90 - 20	20 66 92 //20 2/6
Sandy gray Lumbo and an Salas Mater gray I had a gray I falle gray I had a gray I falle gray Cansol Sand Jand one. (CONTINUE ON SEPARATE SHEET IF NECESSARY)	#6 26 26 3 23 90 20	20 66 92 120 210 230
Sandy gray Lumbo and San Salas Hater and oal gray Land, whate gray I hade gray Course Sand Jand whale	#6 26 26 3 23 90 20	20 66 92 120 210 230

Timite Copy —
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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well
	a. Dug Bored Hole Diamin. Depthft.
	Curb material Buried Slab: YesNo
	b. Driven in. Depthft.
	c. Drilled X. Finished in Drift In Rock X.
	Tubular Gravel Packed
	d. Grout: (KIND) FROM (Ft.) TO (Ft.)
	DRICK CHTTAGS
2.	Distance to Nearest:
	Building 900 Ft. Seepage Tile Field
	Cess Pool Sewer (non Cast iron)
	Privy Sewer (Cast iron)
	Septic TankBarnyard
	Leaching Pit Manure Pile
3.	Well furnishes water for human consumption? YesNo_X
4.	Date well completed 34 SZPT81
5.	Permanent Pump Installed? Yes Z_DateNo
	Manufacturer (OCIL D 5 Type Sk B Location
	Capacity 15 gpm. Depth of Setting 160 Ft.
6.	Well Top Sealed? Yes X No Type
7.	Pitless Adapter Installed? Yes NoNo
	Manufacturer 134K& 2 Model Number
	How attached to casing?
	Well Disinfected? Yes x No
	Pump and Equipment Disinfected? Yes X No
10.	· · · · · · · · · · · · · · · · · · ·
	Location
	Water Sample Submitted? Yes NoNo
RE	MARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Proper	ty owner <u>PLPSI-Col A</u>	BOTTLING	Well No.	. 3	
Addre	88 NLD RT. 13 40	ET m	PARION	, ZIL	_
					_
11. Permi	l No. <u>10/423</u>	Date _	2352	PTSI	
12. Water	t No. 10 1423 from 5AN 057 CVE.	13. Cou	nty <u>4: / (</u>	(CIHINSCI	ピ
at dep	th 430 to 200 ft.	X Sec.	<u>3.7.1 نو</u> 2-2.	e TT	
	ı: Diamin.	` Twp	<u>. 2- ي</u>		ヿ
Lengtl	h:ft. Slot		2-15		┪
15. Casina	g and Liner Pipe	Elev	· ——]
Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)	SHOW	
6	STEEL / 280 WALL	+1	1100	LOCATION II	ĄΤ
	/		45.	SE SW Nu	ر
		<u> </u>		(industrial)	
16. Size H	ole below casing:	in	·		
10 0	20		h is		ft
above	ground level. Pumping lever hours.	relft.	when pur	nping at A	<u></u>
gpm fo	r <u> </u>		•		
18.	ORMATIONS PASSED THROU	СH	THICK	DEPTH O BOTTOM	
CLAY					
			14	14	
VELLO	O SAWASTONE		28		
	SHALE		· · · · · · · · · · · · · · · · · · ·		
GRAY.	SHALE		· · · · · · · · · · · · · · · · · · ·	42	
GRAY.	SHALE		· · · · · · · · · · · · · · · · · · ·	42 50 51	; - -
GRAY.	SHALE		33° 3'	42 50 51	; - -
GRAY COAL GRAY COAL	SHALE SHALE		33° 3'	42 50 51 5 96 99	; - -
GRAY COAL GRAY COAL	SHALE SHALE SHACE		38	42 50 51 5 96 99	; - -
GRAY COAL GRAY COAL GRAY	SHALE SHALE SHACE		38	42 50 51 5 96 99 115	; - -
GRAY COAL GRAY COAL GRAY SLAT COAL	SHALE SHALE SHACE		38 31 11 113 3 16 3	42 50 51 5 96 99 115	; - -

1DPH 4.065 1/74 - KNB-1 (59671-123/M Sets-6-74)

bray shale	31	152		
ira sanditone Wshale STR	19	17/		
White sandstone	<i>2</i> 5	196		
Brown sandstone	15	209		
Sandy chale	14	223		
white sandstone of shale STR	83	306		
dandy shale	25	331		
Gray shale	3 /	362		
Sandy shale	22	384		
White sandstone	10	394		
bray sandstone	3/	425		
White sandstone	82	507		
White canastone w/limestone	L STR 51	538		
sandy shall	43	601		
Coal	1	602		
Landy Shale	27	629		
White sandstone	a 1 38	•		
bandy shale		657		
,	119	776		
Land, gray shale w/sandst	tone STR 44	820		ت
Hard whole sandstone	56	876	•	·
Gray shale	5	881		
bray shale White sandstone	44	9 3 5		
Gray limestone	2	927	L.	

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well
	a. Dug Bored Hole Diamin. Depthft.
	Curb material Burled Slab: YesNo
	b. Driven Drive Pipe Diamin. Depthit.
	c. Drilled X. Finished in Drift In Rock X
	Tubular Gravel Packed
	d Grout: (KIND) FROM (Ft.) TO (Ft.)
	Coment Comment Level 395
2.	Distance to Nearest:
	Building Ft. Seepage Tile Field
	Cess Pool Sewer (non Cast iron)
	Privy Sewer (Cast Iron)
	Septic Tank Barnyard
	Leaching Pit Manure Pile
3.	Well furnishes water for human consumption? YesNo
4.	Date well completed
5.	Permanent Pump Installed? YesDateNo
	ManufacturerType Location
	Capacitygpm. Depth of SettingFt.
6.	Well Top Sealed? YesNoType
7.	Pitless Adapter Installed? Yes No
	ManufacturerModel Number
	How attached to casing?
	Well Disinfected? YesNo
	Pump and Equipment Disinfected? YesNo
10.	Pressure Tank Sizegal. Type
	Location
11.	Water Sample Submitted? Yes X No
RE	MARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

and	Eddions mil milan	001111110	"DUL I	ILCOID
10 Proper	ty owner Leas' Cake	R.TTI.	⁷ Wall Na	
10, r topet Addres	ss Marien IL.		2,4en No	· ————
Drille	Ron Bearland	Licens	se No. /	102-187
11. Permit	No. 86/03	Date _	5-2	9-29
12. Water :	from SayIsTone	13. Cou	nty <u>LeL</u>	Llinson
	th <u>440</u> to <u>400</u> ft.	Sec	<u> </u>	# 7
	: Diamin.		. <u>9-s</u>	
Lengtl			&£	
		Elev	/	. ├─├─ ├─┤
	g and Liner Pipe			<u> </u>
Diam. (in.)	Kind and Weight	From (Ft.)	To (Ft.)	SHOW LOCATION IN
6"	280 Wall Teel	+1	395	SECTION PLAT
				5305 , July 1
<u> </u>	<u></u>	<u> </u>	اسسيا	and when he
16. Size H	lole below casing: <i>la</i>	in.		,
17. Static	levelft. below cas	ing top whic	ch is	ft.
			_	_
above	ground level. Pumping lev	rel ft.	when pu	mping at
above	ground level. Pumping lever hours.	rel ft.	when pu	mping at
above gpm fo	ground level. Pumping lev	/el ft.	when pu	mping at
above gpm fo	ground level. Pumping lever hours.	/el ft.	when pu	mping at
gpm fo	ground level. Pumping lever hours. FORMATIONS PASSED THROU	/el ft.	when pu	mping at
above gpm fo	ground level. Pumping lever hours. FORMATIONS PASSED THROU	/el ft.	THICK	NESS DEPTH OF BOTTOM
above gpm fo	ground level. Pumping lever hours. FORMATIONS PASSED THROU	rel ft.	THICK	NESS DEPTH OF BOTTOM
above gpm fo	ground level. Pumping level. hours. FORMATIONS PASSED THROU Conference of the conf	rel ft.	THICK	IMPING OF BOTTOM 15 15 14 32
Grave Bheak	ground level. Pumping level. hours. FORMATIONS PASSED THROU Conference Conference Hard Shale	rel ft.	THICK	Imping at NESS DEPTH OF BOTTOM 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Grave Bhack	ground level. Pumping level. hours. FORMATIONS PASSED THROU Candatane Sandatane Candatane Cand	GH ft.	THICK	NESS DEPTH OF BOTTOM
Grave Seft Gray Gray Gray Gray Gray Gray Gray	ground level. Pumping level. hours. FORMATIONS PASSED THROU SandsTare Hard Shale Cray Shale	GH ft.	THICK	NESS DEPTH OF BOTTOM
Gray Seff Gray Gray Gray Gray Gray	ground level. Pumping level. Pumping level. Pormations passed through the Sandstane. Sandstane. Gray Shale. Linestane.	GH ft.	THICK	Imping of NESS DEPTH OF BOTTOM 1
Gray Gray	ground level. Pumping level. hours. FORMATIONS PASSED THROU SandsTare Hard Shale Cray Shale	GH ft.	THICK	Imping of
Gray Gray	ground level. Pumping level hours. FORMATIONS PASSED THROU Sandstane Sandstane Gray Shale Linestane Sandstane Sandstane	GH	THICK	Imping of INESS DEPTH OF BOTTOM 1

IDPH 4.065 1/74 - KNB-1

lacation sharge per pump test

Sandy shale	30	78
Coa l	2	80
Sandy shale	27	107
Coal	3	110
Gray sandstone	20	130
Sandy shale	11	141
Gray sandstone	29	170
Coarse light sandstone	37	207
Sandy shale	18	225
Gray sandstone	70	295
Coal	1	296
Sandy shale	44	340
Gray sandstone	40	380
Sandy shale	10	390
Brownish coarse sandstone	25	415
Gray coarse sandstone	85	500
Coarse gray sandstone/brown	breaks100	600
Coal	5	605

I/

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well
	a. Dug Bored Hole Diamin. Depthit.
	Curb material Burled Slab: YesNo
	b. Driven Drive Pipe Diamin. Depthft.
	c. Drilled Finished in Drift In Rock_X
	Tubular Gravel Packed
	d. Grout: (KIND) FROM (FL.) TO (FL.)
	Hole curing GL. 70
2	Distance to Negrest:
	Building S Ft. Seepage Tile Field 1 Cess Pool Na Sewer (non Cast iron) 157 Privy Na Sewer (Cast iron) Na
	Privy No Sewer (Cast iron) Na
	Septic Tank 150 Barnyard No
	Leaching Pit No Manure Pile // A
3	Well furnishes water for human consumption? Yes Yes No.
	Date well completed 9-24-1980
	Permonent Pump Installed? YesDateNoNoNoNoNoNoNoNoNo
	ManufacturerTypeLocation
	Capacitygpm. Depth of SettingFt.
6.	Well Top Sealed? YesNo_N_OType
7.	Pitless Adapter Installed? YesNoNoNoNo
	ManufacturerModel Number
8.	How attached to casing?
	Pump and Equipment Disinfected? YesNo
	Pressure Tank Sizegal. Type
	Location
11.	Water Sample Submitted? YesNoNo
RE	MARKS:

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property of	wner ALTCY & Mi	Vhard	. Well No	/	
Address _	RR. #3 Box 3	5 Mar	IZh:	TL.	
Driller 🗲	carber E. Ke	Licens	e No. 🟒	92	-144
11. Permit No). <u>96197</u>	Date _	9-/	7,5	1480
12. Water from	Penn Sind	13. Cou	nty W//	Lid	mson
at depth (35 to 199 ft.	Sec.	15	52	
	lom. <u>Næ</u> in.	Twp	. 95		
Length:	ft. Slot	Rge	. <u>2 E</u>	. 4-	
		Elev	/	, - -	┝═╂═╂╌┫
15. Casing an	d Liner Pipe			لسا	
Diem. (in.)	Kind and Weight	From (Ft.)		Loc	SHOW ATION IN
6 P	Vc. Sec 40)	70	SECT	TION PLAT
				<i>SW</i>	SW NW
	 				
16 Stee Wele	below casing: 5	t-		ľ	
10. Size noie	elft. below cash	H.	-h i-	,	ŧ.
above area	und level. Pumping leve	1/901	when Du	mpina	4 5 "
	4_ hours.		whon y		41-4
	- 		THICK		DERTH OF
18. FOR	MATIONS PASSED THROUG		THICK	NESS	DEPTH OF BOTTOM
CIZY X	Sznd		_[4.5	4.5
. •	8-BIVE MU	16		10	55
	-			10	7
	GHBY			ابح	78
Lime s	Tone Brown	1	_	6	104
Shole	& SLITE D	BLK		3/	135
_	& Sand Day			30	165
	white.			24	199
		,		// /	h 100
_JAHA_B	Shale Darle	`		16	212_
CONTINUE O	M TOTUS STACAGES	MECHOGARY	n		

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

SIGNED LENGGE KLESSATE 9-25-1980

White C
III. De ____ublic Health
Yellow Copy — Well Contractor
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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well
	a. Dug Bored Hole Diam. 21c in. Depth 9.5 ft.
	Curb material Buried Slab: YesNo
	b. Driven Drive Pipe Diamin. Depthft.
	c. Drilled Finished in Drift In Rock Same
	Tubular Gravel Packed
	d. Grout:
	(KIND) FROM (Ft.) . TO (Ft.)
	Cuttings 0 95'
_	
۷.	Distance to Negrest:
	Building /50 Ft. Seepage Tile Field 1 ont
	Cess Pool Noul Sewer (non Cast iron) Mout
	Privy Name Sewer (Cast iron) Name
	Septic Tank Name Barnyard 7, one
	Leaching Pit Nort Manure Pile 1071,
3.	Is water from this well to be used for human consumption?
	Yes No No
4.	Yes No No Date well completed 10-27-67
5.	Permanent Pump Installed? YesNo
	ManufacturerType
	Capacitygpm. Depth of settingft.
6.	Well Top Sealed? YesNo
•	Pitless Adaptor Installed? YesNo
	Well Disinfected? Yes No No
9.	Water Sample Submitted? YesNo
	1
RE	IARKS:

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

(aEULU	GICAL	WAIL	H 20HAE	:12 W	AIE	n wer	L n	ECOND
10. 11.	riobe	TA CHAILE	·	als permit	No.NF	30	Well No		67.
12.		_ 2	ario	eno.			se No. S		490 amoon
14			to 126			Sec.	25		III
, 7.			ft. Slot			Rng	2 E		
15.	Casin	g and L	ner Pipe					ᆫ	
16.	Static above	ole beli level ground		g: 6 //	2 in.	whic		237. SE	SHOW CATION IN TION PLAT 1 275'A 51000 ft. g atft.
18.				ED THROUG	GH	. <u>. </u>	ТНІСК	NESS	DEPTH OF BOTTOM
	Ta	6.50	,0				2	10	20
	Sof	1 5	halo	.			7	\$	95
(C	ONTINU	E ON SE	PARATE	SHEET IF	NECESS	ARY)			
SIGI	b Ha	rold a	1. La	rkin.	(EL)	DAT	re <u>/0</u>	-2	7-67.

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	b. Driven c. Drilled XX	Bored Ho Bridge Pip Drive Pip Finished Gravel Po	uried Slab: Ye e Diam in Drift	in. De	No pth	<u>·</u> ft.
	u. Grout.	(KIND)	FROM (Ft.)		TO (Ft)	
		CELENT	10		_0	
				4	b	
			<u> </u>		<u> </u>	
2.	Distance to Nec Building Cess Pool Privy Septic Tank Leaching Pit	NONE Ft. NONE NONE NONE	Seepage Tile Sewer (non Co Sewer (Cast in Barnyard Manure Pile _	ron)	NO NO	NE NE
3.	Is water from th	is well to be us	ed for human c	onsum	otion?	
		No XX				
	Date well comp	leted				
5.	Permanent Pum	p Installed? Y	es	_ No_	_ T	 ,
	Manufacturer		Туре			
		gpm. Dept				_ ft.
	Well Top Sealed					
	Pitless Adaptor					
	Well Disinfected					
9.	Water Sample St	ibmitted? Yes	5	_ No		
REI	MARKS:	. /		9 2		

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner SHELL PLPE			1
Address MARION TILI			
Driller FRANK PEPP, JR. 11. Permit No. 19687	License	No. <u>9005</u>	2
11. Permit No	Date		AL SON
12. Water fromFormation			MI DOM
at depth toft.		<u> 26 </u>	
14. Screen: Diamin.	Twp.	<u>9s</u> [
Length:ft. Slot	Rge.	5,5	1 1 1
,	Elev.	 	╂╌╂╌
Casing and Liner Pipe		<u> </u>	
Diam. (in.) Kind and Weight	From (Ft)	(Ft)	SHOW
			CATION IN TION PLAT
	 		
· 16. Size Hole below casing:	in.		
17. Static levelft. below cas	ing top which	is <u>, I.</u>	ft
above ground level. Pumping le	vel ft. v	vhen pumpin	g at3
gpm forl hours.			
18. FORMATIONS PASSED THROU	IGH	THICKNESS	DEPTH OF BOTTOM
10.		 	воттом
GRAY SHALE		6	52
SAUDY GRAY SHALE	··	99	_61
DARK CRAY SHALE	<u> </u>	37	.98
COAL		3_	101
GRAY SHALE, LIME SEAMS		25	126
SHAIR		1,	130
LIMESTONE	tı	3	133
SHALE & LIMESTONE		5	138
SANDSTONE		<u> </u>	139
(CONTINUE ON SEPARATE SHEET IF	NECESSARY)		

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Blue Copy — Well Owner

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Curb materi b. Driven c. Drilled X Tubular	al Bı Bı Drive Pip	uried Slab: Ye e Diam in Drift	in. Depth 300 sNo in. Depth In Rock XX	ft.
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)	
		CENENT	10	0	
2.	Cess Pool Privy Septic Tank	Ft.	Sewer (non Co Sewer (Cast in Barnyard	Field ist iron) ron)	
	Is water from th	nis well to be us	ed for human c	consumption?	
4.	Date well comp	leted	··		_
5.	Permanent Pum	ip installear i	es	_ uo	_
				<u> </u>	
_		d? Yes			14.
				No	
	•	d? Yes			-
		ubmitted? Yes		Sa 1 - g - 3	
RE!	MARKS:	· · /			· • • ·

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Proper	ty owner SHELL PIPE I	JTE.	Well No.	1	
Addres	الملك و MARLON عد	TOTO			
Driller	FRANK HEPP, JR.	Licens	e No	2 - 5	38
11. Permit	No. 19687	Date	8/25	/72	
12. Water i	from . Formation	13. Сош	nty WIII	TIT	-i2ON
	th toft.	Sec.	<u> 26 </u>		
	i: Diamin.	Twp	. <u>93</u>		
. Lengtl	n:ft. Slot	_			
15. Casing	g and Liner Pipe	Elev			
Diam. (in)	Kind and Weight	From (Ft)	To (Ft)	Loc	SHOW ATION IN
	<u> </u>		j		ION PLAT
above	levelft. below casi ground level. Pumping lev r hours.				
18. F	FORMATIONS PASSED THROUG	ЭН	THICKN	ESS	DEPTH OF BOTTOM
SHAIE			4		_143
SANDSTO	OME & SHALE		31,	611	146161
SHALE			111	6n	148161
_SANDST(1		11916"
SHALE &	SANDSTONE			69	150
SANDSTO	ONE				152
SHALEY	SANDSTONE		3		155
SANDSTO	ONTE É		20		175
VERY HA	ARD SANDSTONE	·	15		190
(CONTINU	e on separate sheet if	NECESSARY)		

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well				
	a. Dug Bored_				
	Curb material	B	uried Slab: Y	esNo	
	b. Driven D				
	c. Drilled XX . F		•		٠
	d. Grout:	iluvei F			
	(K	IND)	FROM (Ft.) TO (Ft.)	
	<u></u>				
				- 7	
2	Distance to Negrest:				
۷.	Building	F.	Saanga Tile	Field	
	Cess Pool			ast iron)	
	Privy			iron)	
	Septic Tank		-		
	Leaching Pit				
3.	Is water from this well	to be us			
-	Yes NoNo			• • • • • • • • • • • • • • • • • • • •	
4.	Date well completed		·		
5.	Permanent Pump Instal	led? Y	es	No	
	Manufacturer		Туре_		
	Capacitygpn	ı. Dep	th of setting_		ft.
6.	Well Top Sealed? Ye	s	No		
7 .	Pitless Adaptor Install	ed? Y	'es	_ No	
8.	Well Disinfected? Y	es	No _		_
9.	Water Sample Submitted	i? Ye:	ß	No	
	•			200	
RE	MARKS:				
					-
	•				
			•	The state of the s	
ID	PH 4.065				
10,	/68				٠,;

10. Property owner SHELL PTPE LINE Well No. Address MARTON, ILLINOIS Driller FRANK HEPP In License No. 11. Permit No. 19687 Date 8/25/76 12. Water from 13. County WILL Formation at depth to ft. Sec. 26 14. Screen: Diam. in. Twp. 98 Length: ft. Slot Rge. 2E Elev. 15. Casing and Liner Pipe Diam. (in.) Kind and Weight From (Ft.) To (Ft.) 16. Size Hole below casing: in. 17. Static level ft. below casing top which is above ground level. Pumping level ft. when pum gpm for hours. 18. FORMATIONS PASSED THROUGH THICKN SHALE & SANDSTONE 17	92-588 2 LTAHSON
11. Permit No	LIAMSON SHOW LOCATION 1
11. Permit No	LIAMSON SHOW LOCATION 1
at depth to ft. Sec 26	SHOW
14. Screen: Diamin. Twp. QS	SHOW LOCATION I
14. Screen: Diamin. TwpQS	SHOW LOCATION I
Elev	SHOW LOCATION I
Diam. (in.) Kind and Weight From (Ft) To (Ft) 16. Size Hole below casing:in. 17. Static levelft. below casing top which is above ground level. Pumping levelft. when pum gpm for hours. 18. FORMATIONS PASSED THROUGH THICKN SHAIR 3	LOCATION I
16. Size Hole below casing:in. 17. Static levelft. below casing top which is above ground level. Pumping levelft. when pum gpm forhours. 18. FORMATIONS PASSED THROUGH THICKN SHAIR 3	LOCATION I
7. Static levelft. below casing top which is above ground level. Pumping levelft. when pum gpm forhours. 18. FORMATIONS PASSED THROUGH THICKN SHALK 3	
7. Static levelft. below casing top which isabove ground level. Pumping levelft. when pum gpm forhours. 18. FORMATIONS PASSED THROUGH THICKN SHALK 3	
7. Static levelft. below casing top which isabove ground level. Pumping levelft. when pum gpm forhours. 18. FORMATIONS PASSED THROUGH THICKN SHALK 3	
7. Static levelft. below casing top which is above ground level. Pumping levelft. when pum gpm forhours. 18. FORMATIONS PASSED THROUGH THICKN SHALK 3	
	NESS DEPTH C
SHALE & SANDSTONE 17	
I I	215
SAN DISTONE 2	217
SHALE & SANDSTONE 3	220
SANDSTONE 3	223
SHALE & SANDESTANDE 2	225
SHAIE 1	226
SANDSTONE & SHALE 2	228
DIAINOTONE & DUMBLE	

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III. Dapt. of Public Health
Yellow Copy — Well Contractor
Blue Copy — Well Owner

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well		. D. J. 2006
	a. Dug Bored Curb material		
	b. Driven Drive P		
	c. Drilled XX . Finishe		
	Tubular Gravel		
	d. Grout:		
	(KIND)	FROM (Ft.)	TO (Ft.)
2.	Distance to Negrest:		State of the state
	Building Ft.	Seepage Tile F	ield
	Cess Pool		st iron)
	Privy	Sewer (Cast Ire	on)
	Septic Tank	Barnyard	
	Leaching Pit	Manure Pile	· ·
3.	Is water from this well to be a	used for human co	onsumption?
	Yes No		-
4.	Date well completed		
5.	Permanent Pump Installed?	Yes	No
	Manufacturer	Туре	
	Capacitygpm. De	pth of setting	ft.
6.	Well Top Sealed? Yes	No	·
	Pitless Adaptor Installed?		
8.	Well Disinfected? Yes	No	
9.	Water Sample Submitted?	es	No
RE	MARKŠ:		

GEOLOGICAL AND WATER SURVEYS WELL RECORD

10. Property owner SHEIL PTPE	TIPE	Well No	
AddressNARION_IL	LINDIS	·	
Driller FRANK HEPP, JR.	License	No. 92-5	111
11. Permit No	Date	8/25/72	
12. Water from Formation	13. Coun	ty <u>WILLIA</u>	RON
at depth toft.		_26	
14. Screen: Diamin.	Twp.	95	1-1-1-1
Length:ft. Slot		28_	1-1-1-1
15. Casing and Liner Pipe	Elev.		
Diam. (in) Kind and Weight	From (Ft.)	To (Ft.)	SHOW CATION IN
			TION PLAT
			
	-		
16. Size Hole below casing:17. Static levelft. below co		h is	ft.
above ground level. Pumping l			
gpm forhours.			,
18. FORMATIONS PASSED THRO	оидн	THICKNESS	DEPTH OF BOTTOM
SHALE & SANDSTONE		2	237
SHAIE		8	2115
SHALE & SANDSTONE		10	255
SAMINTONE		1	259
2,24			
SHALE		3	_262
SANDY SHAIE		9	271
COAL		11	272
SHALE		171611	289161
LIMESTONE		611	290_
(CONTINUE ON SEPARATE SHEET	IF NECESSARY)		• -
_ /	Λ)	1

IDPH 4.065 10/68 White Copy - II. I spt. of Publishie alth Yellow Copy - Well Contractor Blue Copy - Well Owner

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	m (W)					
1.	Type of Well a. Dug	Barad .	Hala Di	i-	Donth 3	004
		al				
	b. Driven	Drive P	ine Dim	n in	Depth	ft
	c. Drilled X	Y . Finishe	d in Dri	ft .	In Rock	XX
		Gravel				
	d. Grout:					
		(KIND)	FR	OM (F1.)	TO (Ft)	 _
		ļ				
		<u> </u>				
2.	Distance to Ne	grest:				
	Building		Seepo	ge Tile Fie	eld	
	Cess Pool		Sewei	Inon Cast	iron)	
	Privy		Sewei	: (Cast iron)	
	Septic Tank Leaching Pit _		Barny	ard		
	Leaching Pit _		Manur	e Pile	·	
3.	Is water from th			human con	sumption?	
	Yes	No				
4.	Date well comp	leted				
5.	Permanent Pum	p Installed?	Yes		No	
	Manufacturer			Туре		
	Capacity	gpm. De	epth of s	etting		ft
6.	Well Top Sealed]? Yes		No		
	Pitless Adaptor					
8.	Well Disinfected	d? Yes		_ No	1477	-
9.	Water Sample St	ubmitted? Y	(es	N	o	
RE	MARKS:			٠		
				* 4	45.	
	•	•		()		
				4		يوني ال ^ا ال
				बर/ब अर्थ		illigi i Na Libr
ID	PH 4.065					
	/68			٠, ٠		۶, ,
					P. C. S.	1

10. Property owner SHELL PIPE	1.10%	Well No	
Address MANTON, 111			
Driller FRANK HEPP, JA.	License	e No. <u>92-</u> 5	ਲੋਹੋ
11. Permit No. 19687	Date	13/25/72	
12. Water from Formation	13. Coun	ty_LT[]_L	1.806
Formation	Sec.	26	TTT
			-}
14. Screen: Diamin. Length:ft. Slot	rwp.	_98_ _23	
Denginit. biot			
15. Casing and Liner Pipe	£ lev.		
Diam (in) Kind and Weight	From (Ft)	To (Ft)	SHOW CATION IN
			TION PLAT
			
L	L		
16. Size Hole below casing:			
17. Static levelft. below casi:			
above ground level. Pumping leve	el ft.	when pumpin	g at
gpm for hours.			
18. FORMATIONS PASSED THROUG	H	THICKNESS	DEPTH OF BOTTOM
SHALE & LIME		3_	293
SHALE & SANDSTONE		2	295
SANDSTONE '	···	5	300
			1
			
			
		1	1
			1
		-}	
		1	
			,
		_1	<u> </u>
(CONTINUE ON SEPARATE SHEET IF	NECESSARY)		
CONTINUE ON SEPARATE SHEET IN	`	. /	/

White III. f Public Health Yellow C. - Well Contractor Blue Copy - Well Owner

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> William I Harrison h Carlo Barrier 🖟 (1984) - Garrier Sign

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	e of Well	
	ug Hc amin. Depthft.	100
	Curb material E Slab: YesNo	
	b. Drivenin. Depthft.	
	c. Drilled Finished in Drift In Rock	
	Tubular Gravel Packed	
	d. Grout: (KIND) FROM (Ft.) TO (Ft.)	
	(KIND) FROM (Ft.) 10 (Ft.)	
	Clay 0 39	
2	Distance to Negrest:	
۷.	Building / / Ft. Seepage Tile Field	
	Cess Pool Sewer (non Cast iron)	
	•	
	Privy Sewer (Cast iron) Septic Tank Barnyard	
	Leaching Pit Manure Pile	
3	Is water from this well :0 be used for human consumption?	
٥.	YesX No	
4	Date well completed May 22, 1968	
Э.	Permanent Pump Installed? Yes No Type	
	Capacitygpm. Depth of settingft.	
_		
b .	Well Top Sealed? Yes X No No	
7.	Pitless Adaptor Installed? Yes No X	
8.	Pitless Adaptor Installed? Yes No X Well Disinfected? Yes No Mathy and	L.
9.	Water Sample Submitted? YesNo	
	•	
REN	MARKS:	

GEOLOGICAL WATER SURVEYS WATER WELL RECORD 11 Kenneth Pankey 10. Dept. Mines and Minerals permit No. 4983 Year 1968

11. Property owner from 12th Land Well No. Address Aprile License No. 92-- 20 e 13. County Williamorn 12. Water from Sandu at depth 90 to 1/1 ft. 14. Screen: Diam. Length: ____ft. Slot 15. Casing and Liner Pipe Diam. (in) Kind and Weight From (Ft) To (Ft) LOCATION IN SECTION PLAT 16. Size Hole below casing: 17. Static level <u>50</u> ft. below casing top which is___ above ground level. Pumping level 20 ft. when pumping at qpm for _____ hours. FORMATIONS PASSED THROUGH THICKNESS DEPTH OF BOTTOM 18.

(CONTINUE ON SEPARATE SHEET IF NECESSARY)

White III. D. f Public Health Yellow Cs., — Well Contractor Blue Copy — Well Owner

INSTRUCTIC TO DRILLERS

PARTMENT OF PUBLIC HEALTH, ROOM C.J., STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL / WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well						
	a. Dug Bored Hole Diamin. Depthft.						
	Curb material Buried Slab: YesNo						
	b. Driven Drive Pip	e Diamin.	Depthft.				
	c. Drilled X. Finished	in Drift	In Rock				
	Tubular Gravel Pa	icked	`				
	d. Grout: (KIND)	FROM (Ft.)	TO (Ft)				
	 	PROM (PL)					
	Clay		27				
	1 7	ļ					
		<u></u>	L				
2	Distance to Nearest:						
٠.	Building 2 1 Ft.	Seenage Tile Fie	ald .				
		Sewer (non Cast					
		•)				
		Barnyard	=				
-		Manure Pile					
2	Is water from this well to be use						
J.	Vos V No	ed for number cons	sumption r				
4.	Yes No	18 19	18				
T.	Permanent Pump Installed? Y	/ 10/	<u></u>				
Э.	Manufacturer	es					
	Capacitygpm. Dept						
_							
	Well Top Sealed? Yes						
7.	Pitless Adaptor Installed? Y	es No	°—#				
8.	Well Disinfected? Yes	No2p_d=	Thyma				
	Water Sample Submitted? Yes		- A.				
REN	MARKS:						

(GEOLO		WATER W. Et		EYS	WATE	R WEL	L R	ECOR	D
11.	Addres Driller	Mines and ty owner (s.)	d Minerals	permit l	171 200	Licens	well No. 27 9-49 se No. 22		5-0-6	1
	at dept Screen	th <u>26.</u> : Diám.	Formation to 3 5 ft in ft. Slot	ر. نی	- /	Sec. Twp Rng	3 (o) 95 2 E	46	3	
15.	Casing	g and Lis	ner Pipe				• •	⁻		
Dia	m. (in.)	7	Rosine		Fre	om (Ft)	To (Ft)	SEC	SHOW CATION TION I	PLAT
6. 7.	Static above	ole belo level ground lo	w casing: A ft. bel evel. Pum hours.	ow casi ping leve	_in. ng to	op which	ch is when p	umping	- <u>7</u> g at	ft.
8.	P	ORMATIO	NS PASSED	THROUG	н		ТНІСІ	KNESS	DEPTI	I O F OM
	Lour	dit	one Y	she	al	2	7	9	1-1	_
								<u>-</u>		
(C(NTINUE	ON SEP	ARATE SH	EET IF 1	VECES	SARY)				
				. *)						

White Copy—
III. Dopt of Public Health
Yellow Copy—Well Contractor
Blue Copy—Well Owner

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Mell				
	α. Dug	Bored	Hole Diam	in.	Depthf
	Curb mater	ial	Buried Slab:	Yes	No
	b. Driven	Drive	Pipe Diam	in. I	Depthf
	c. Drilled	Finish	ed in Drift	Ir	Rock
	Tubular	Gravel	Packed	·	•
	d. Grout:	(KIND)	7777	T	
			FROM (Ft.)	TO (Ft)
		C Day			3.5
	,				
2	Distance to Ne	varo at :			
۷.	Building		Saanaga T	'ile Field	
	Cess Pcol	/ * `	. Seepuge i	n Cast iro	
	Privy				····
	Sepric Tank _	104	Barnyard	.st 11011 ₁ _	
	Leaching Pit				
2	Is water from t				
ა.	v. 1'	nis well to be	used for num	an consu	nption?
4	Yes	_ 140	7 1 18	120	
4.	Date well com	pieted	- (. A) 1 A	/ 	
5.	Permanent Pur	np Installed?	Yes	No	
	maninacities _		1 YF	ре	
	Capacity				
	Well Top Seale				
7.	Pitless Adapto	or Installed?	Yes	No_	
8.	Well Disinfecte	ed? Yes	N	o	
9.	Water Sample S	Submitted?	Yes	No_	
RE	MARKS: Ju	mp to	be -	insta	llel
	ly a	wner	•	•	
	PH 4.065				
	/68				
					•

		•						
	GEO	LOGICAL AND WATER	SURVEYS	WELL F	RECC	RD		
10.	10. Property owner Caroline Sue Marient Well No. Address R S 72 arion / L. Driller Janes C Seer License No. 72 1157							
	1. Permit No. 10618 Date Date 2. Water from 50011000000000000000000000000000000000							
14.	at depth //3 to //30 ft. Sec. 3 6.5h 11 14. Screen: Diamin. Twp. 9 S Length:ft. Slot Rge. 2 F Elev							
15.	Casing	g and Liner Pipe	Lie	v	Ĺ			
	in (in) グガロ	Kind and Weight	From (Ft)	To (Ft.)	SEC	SHOW CATION IN TION PLAT		
					N	E/C NW		
	Static above	ole below casing: <u>c</u> level <u>21</u> ft. below casi ground level. Pumping lev r <u>4</u> hours.	ng top which	ch is when pu	mpin	"ft. g at 2.5		
18.	F	FORMATIONS PASSED THROUG	GH	тніск	NESS	DEPTH OF BOTTOM		
	5	and Glollow	- lay	3	5 ⁻ ,	-P3		
		and and gray	Jun Co	le.	4!	991		
_		Gray Shadid	stores		6'	1351		
_		<i>U</i> '	·					
_								
			 	_				
(C:	UNITNO	E ON SEPARATE SHEET IF	NECESSARY	<u></u>		<u> </u>		
eic.	JED	Lames a. I	cor D	•	1/	20/20		

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ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well			
			ole Diami	
			Buried Slab: Yes.	
			pe Diamin	
			in Drift	
		Gravel P	acked	•
	d. Grout:	(KIND)	FROM (Ft.)	TO (Ft.)
	[n-ent	0	50
	Ţ.	LECKY	1	1
	H			
	L			
2.	Distance to Near			
	Building	Ft.	Seepage Tile Fi	
	Cess Pool		•	iron)
	Privy	<u> </u>	Sewer (Cast iron Barnyard	ı)
	Septic Tank	30 T	Barnyard	
	Leaching Pit		Manure Pile	
3.	Is water from thi	s well to be u	sed for human con	sumption?
	Yes1	Noo	_ ,	
4.	Date well comple	etede	1t 22/	70
5.	Permanent Pump	Installed?	it 22/	No X
	Manufacturer		Туре	
	Capacity	gpm. Der	Type oth of setting	f
6.	Well Top Sealed	Yes X	No	
			Yes N	
			No	
9.	Mater Sambre Sm	omitted? Ie	es l	vo
REI	MARKS: Sue	my to	le in	stalled
ומז	PH 4.065			•
	/6R			

ıU.	Property owner Jank	Many	Well No			
•	Address _ Manier. L	Q Q		•		
	Driller a. 72, 710ch	Licens	e No.	93	- 4 00	
11.		Date		17.	1969	
	Water from Sarletone	_ 13. Cou	nty <u>- </u>	\mathcal{U}_{i}	bariori.	
	at depth 52 to 61 ft.		36.			
14.	Screen: Diamin.		95	7 -	 	
•	Length:ft. Slot	Rae	2 =	·	╀╌╂╼╂╼┫	L
		Elev		<u> </u>	 	
15.	Casing and Liner Pipe		•	L		
	m. (in.) Kind, and Weight	From (Ft)	To (Ft.)	1.0	SHOW CATION IN	
う	"OD Black DECC	0	50	SEC	TION PLAT	
				i .	12 in th	,
				Sü	U NW Nu	,
-	Size Hole below casing:	·				
10.	a		.h :-	1	£,	
. / .	above ground level. Pumping leve	ng top wind	bon 511		· · · ·	
	gpm for 4 hours.	·· ——— ···	when bu	mbind	, ut_2	
	gpin for nours.					
						
8.	FORMATIONS PASSED THROUG	Н	тніск	NESS	DEPTH OF BOTTOM	
8.	FORMATIONS PASSED THROUGH	Н	тніск	NESS	DEPTH OF BOTTOM	
8.	FORMATIONS PASSED THROUGH	Н	THICK		DEPTH OF BOTTOM	
.8.	FORMATIONS PASSED THROUGH	н	5 /		DEPTH OF BOTTOM	
.8.	FORMATIONS PASSED THROUGH	ьн	5 /		DEPTH OF BOTTOM	
	FORMATIONS PASSED THROUGH	н	5 /		DEPTH OF BOTTOM	
	FORMATIONS PASSED THROUGH	Н	5 /		DEPTH OF BOTTOM	
	FORMATIONS PASSED THROUGH	H	5 /		DEPTH OF BOTTOM	
8.	FORMATIONS PASSED THROUGH	ЭН	5 /		DEPTH OF BOTTOM	
8.	FORMATIONS PASSED THROUGH	Н	5 /		DEPTH OF BOTTOM	
	FORMATIONS PASSED THROUGH	H	5 /		DEPTH OF BOTTOM	
	FORMATIONS PASSED THROUGH	H	тніск 5		DEPTH OF BOTTOM	
	FORMATIONS PASSED THROUGH	Н	5 /		DEPTH OF BOTTOM	
	Clay		5		DEPTH OF BOTTOM	
	PORMATIONS PASSED THROUGH		5		DEPTH OF BOTTOM	
(CC	Clay		5		DEPTH OF BOTTOM	
(CC	ONTINUE ON SEPARATE SHEET IF		5		SO S	

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

	Curb materia b. Driven c. Drilled	Bored Ho rl Bu Drive Pipe Finished i Gravel Pa	ried Slab: Yes Diamin in Drift	NoNoI In Rock	īt.
	d. Grout:		FROM (FL)	•	ન કેટ કેટ
		NEAT		40'	
				1.	
				1:	-
_				· · · · ·	
2.	Distance to Nec				ر در این از این از این از از این از ای
	Building Cess Pool	Ft.		eld iron)	
			Sewer (non Cast Sewer (Cast from	. <i>iron)</i>	
	Septic Tank	75"	Barnyard	·/	-
	Leaching Pit		Manure Pile		
3.	Is water from th	is well to be use	ed for human cor	sumption?	4
•	Yes	No	. , _		Charles and the Charles of the Charl
4.	Date well compl	leted	3/69		
5.	Permanent Pump	o Installed?' Ye	£8	No	_
	Manufacturer		Туре		
_		gpm. Deptl			n. (*)
		? Yes			
7.	Pitless Adaptor	Installed? Ye	es N	0	_
8.	well Disinfected	1? Yes	No		• • • • •
9.	Water Sample Su	bmitted? Yes	}	ło	.
REN	MARKS: 9 d	s not s	set or 5	ell pu	mps
		Can't	onswer	etem	
	- Thru	9		TOTAL TOTAL	
J	mou		1 10 10 10 10 10 10 10 10 10 10 10 10 10		light of the second of the sec
•		,	7		ر با الله المواقع المو

GEOLOGICAL WATER SURVEYS WATER WELL RECORD

	D			2.0	. ,	1619
		Mines and Minerals permit l				
11.		ty owner J. H. Koru	mrey	Mell No	•	
		55 BFD/4 man	ion Licens	No.	91	-1107
12		James a. Ale irgh Sandstone	Licens	se No.	10.	707
12.		Formation '				
	at dept	th <u>/03</u> to <u>//0</u> ft.		30.5		
14.		: Diamin.		<u>. 25</u>		
	Length	n:ft.	•	. <u>3 E</u>		
			Elev	/	. -	
15.	Casing	g and Liner Pipe			. ∟	
Dia	m. (in.)	Kind and Weight	From (Ft.)	To (Ft.)	Lo	SHOW CATION IN
	"OD	Black, 28lb		102		TION PLAT
		Samless			NO	U/c su
一					ľ	,
ــــــ ۱۶	C: U	ole below casing: 6 1/2	W ,		N.	
10. 17	Statio	level <u>20</u> ft. below casin	m.	sh in	P	t i ft.
17.		ground level. Pumping leve				
		r_4_hours.	61 <u>SJ. V.</u> 1(.	Auen bu	mping	, ut
	92 10					
18.	F	ORMATIONS PASSED THROUG	H	ТНІСК	NESS	DEPTH OF BOTTOM
	•	Clay		-4	0.	40
		Emily Sand		6	٥,	100'
		C A c+	<u> </u>		4.	1 1 1
	/	sand ston	<u>ر و</u>		<u>o</u>	110
	<u>ages</u>	ng driven w	the.			
	Cho	6 2' in 50	ndston	L _		
				<u> </u>		
(C	DNTINUE	ON SEPARATE SHEET IF	NECESSARY)			
iGi	VED_	James a Ire	Z DAT	`E/	//	4/69

White Copy —
III. Dept. of Pub.
Yellow Copy — Well Contractor
Blue Copy — Well Owner

FILL IN ALL PERTINENT INFORMATION REQUESTE NO MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1. Type of Well			
a. Dug	Bored Ho	le Diamin	. Depthft.
	al Bu		
	Drive Pipe		
	Finished i		
	Gravel Page		······································
d. Grout:			
g. Grout.	(KIND)	FROM (Ft.)	TO (Ft.)
	NEAT	0	30
2. Distance to Ne	arest:		
	25' Ft. S	Seepage Tile Fie	ald "
_			iron)
Privy		Sewer (Cast iron	
Santia Tank			
-		Manure Pile	
•			
3. Is water from t			sumption?
Yes	_ No	1 / 1	'. •
4. Date well comp	leted	7 27/6	<u>Z</u>
5. Permanent Pun	ip Installed? Ye	s	No
Manufacturer _		Туре	
Capacity	gpm. Deptl	of setting	ft.
6. Well Top Seale		·	Single St.
			1
7. Pitless Adapto 8. Well Disinfecte		<u>ب</u>	201
8. Well Disintecte	d? Ies	1 No	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
9. Water Sample S	ubmitted? Yes	N	o
•		△ . We are	The state of the s
REMARKS: Lo-	me etem	· celimie	L Can
		_	1 ***
not answ	er bei	auxe 4	do not
Tell or	set &	umps:	4 4
	· · · 1/	1,20	An C
IDPH 4.065	V	▼	The state of the s
10/68		C. C.	
		hand the	的知识的思想,然后是这些是一个一个

n Propert	y owner Bay Si	Iman	Well No	
		narion		
		Licens		-482
ll. Permit		Date		0,69
l2. Water f	rom Sand Store	_ 13. Cour	ity Mil	Clamery
at dept	th <u>/00</u> to <u>//0</u> ft.	Sec.	31.84	
	: Diamin.	Twp.	25	
Length	:ft. Slot	Rge.	3E	
		Elev	·	
	and Liner Pipe		L	
Diam. (in.)	Kind and Weight	From (Ft.)		SHOW OCATION IN
700	Black	9	4 1 1 .	SIS 7514
	23 llr.			-
			, NE	E/C NW NW
7. Static labove	ole below casing: 6 + level 20 ft. below casinground level. Pumping level 1 - 4 hours.	ng top whic		
.8. F	ORMATIONS PASSED THROUG	н	THICKNES	S DEPTH OF BOTTOM
	lay wellow	Sanky	30	1301
	Sand	anus	(0'	90'
	San San al		7 4-	1/15-1
) consideration	77		
			-	
 -				
			1	· I
	······································			
			-	-
(CONTINUI	E ON SEPARATE SHEET IF	NECESSARY))	
	(1-40)) 700~ ===	TF /0/	1 1/19
IGNED	yama a	Zee DA	1E	~~ / / / / / / / / / / / / / / / / / /

INSTRUCTIONS DRILLERS

FILL IN ALL PERTINENT INFORMATION REQUES J AND MAIL ORIGINAL TO STATE DE-PARTMENT OF PUBLIC HEALTH, ROOM 616, STATE OFFICE BUILDING, SPRINGFIELD, ILLINOIS, 62706. DO NOT DETACH GEOLOGICAL/WATER SURVEYS SECTION. BE SURE TO PROVIDE PROPER WELL LOCATION.

ILLINOIS DEPARTMENT OF PUBLIC HEALTH WELL CONSTRUCTION REPORT

1.	Type of Well a. Dug Bored Hole Diamin. Depthft. Curb material Buried Slab: YesNo b. Driven Drive Pipe Diamin. Depthft. c. Drilled Finished in Drift In Rock Tubular Gravel Packed d. Grout:
	(KIND) FROM (Ft.) TO (Ft.) //.2.4.) O 60
2.	Distance to Nearest: Building 3a Ft. Seepage Tile Field Sewer (non Cast iron) Privy Septic Tank 5 + Barnyard Manure Pile
3.	Is were from this well to be used for human consumption?
~4.	Dait were compresed for the form of the first of the firs
5.	Yes No No
6.	Wel Top Sealed? Yes X No
6. 7.	Wel Top Sealed? Yes No
6. 7. 8.	Wel Top Sealed? Yes X No
6. 7. 8. 9.	Wel Top Sealed? Yes X No Yes No X Wel! Disinfected? Yes No No Yes Yes No Yes Yes No Yes

GEOLOGICAL AND WATER SURVEYS WE	ELL RECO	RD
10. Property owner	No	+, 1972
	2 E	
Diam (in) Kind and Weight From (Ft) To	SEC	SHOW IN TION PLAT
 Size Hole below casing:in. Static levelft. below casing top which above ground level. Pumping levelft. w gpm forhours. 	hen pumping	j at
18. FORMATIONS PASSED THROUGH	G O	Edfroll 60
Sand Stone	30	90
(CONTINUE ON SEPARATE SHEET IF NECESSARY) SIGNED DATE	<u>~/</u> :	P/>P

SECTION 5

EPA FORM 2070-12

"POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT"

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

	IFICATION
01 STATE	02 SITE NUMBER
IL	D063698971

	ITE INFORMAT			NT IL E	063698971
II. SITE NAME AND LOCATION					
Of SITE NAME (Legal common or descriptive name of site) Perma-Treat of Illinois, Inc.				and Industrial F	ark Dr.
03 CITY				08 COUNTY	07 COUNTY 08 CONG
Marion		;		Williamson	199 22
09 COORDINATES LATITUDE LONGIT 42° 44' 08"North 88° 57'		US	GS 7.5 m	in. Quad. #272 b	
From U.S. Interstate 57, take exeast on Main Street to Carbon St CO&E RR tracks. Pass the USDA building the parties of the total control of the control of t	reet. Tu ouilding o	rn noi n the	rth onto west sid	Carbon Street, go e, then turn lef	across the
01 OWNER (# known)		02 STREE	(Business, making, re	SIGNAM)	
Rudy J. Bond		P.0.	Box 99		
OBCITY	·	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER	1
Marion			62959	(618) 997-5646	
07 OPERATOR (If known and different from owner)			T (Business manny, n	(Eldermei)	
Rudy J. Bond		P.0	. Box 99		
09 CITY		1	11 ZIP CODE	12 TELEPHONE NUMBER	
Marion		IL	62959	(618) 997-5646	1
F OTHER: (Specify) 14 OWNER/OPERATOR NOTIFICATION ON FILE (Check as that apply) A PCRA 3001 DATE RECEIVED	(Agency name)	ED WAST	_ G UNK		
	B UNCONTROL	TED MY21	E SITE (CERCLA 10	DATE RECEIVED:	DAY YEAR
IV. CHARACTERIZATION OF POTENTIAL HAZARD 01 ON SITE INSPECTION BY ICHOES	all that apply)				•
\blacksquare VES DATE 6,20,91 \square A.EP	A B. EP. CAL HEALTH OFF	A CONTRA			CONTRACTOR
	CTOR NAME(S):				
02 SITE STATUS (Check one) \$\text{\ti}\text{\texit{\text{\tetx{\text{\tetx{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\texit{\text{\texit{\texit{\texit{\texit{\texi{\texi{\texi{\texi}\text{\texi{\texi{\texi{\texi{\texi{\texi{\texit{\texi{\t	03 YEARS OF OPER	ATION 1982 BEGINNING Y		A UNKNOV	VN
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, C		-			
Chromated Copper Arsenate (CCA)					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/O	R POPULATION				
Surface water	Soi	.1			
Direct contact	Air	(du	st)		
V. PRIORITY ASSESSMENT					
01 PRIORITY FOR INSPECTION (Check one if high or medium is checked, co	TOUGH POT 2 - Waste mis	ormanion and P	eri 3 - Description of H	Martinea Conditions and Incidental	
□ A. HIGH □ B. MEDIUM (Inspection required promptly) □ B. MEDIUM (Inspection required)	C. LOW		D. NO		ceition form)
VI. INFORMATION AVAILABLE FROM					
01 CONTACT	02 OF (Agency/Organ				03 TELEPHONE NUMBER
Tom Crause	IEPA/DLI	PC/RPM	IS		(217) 782-676
04 PERSON RESPONSIBLE FOR ASSESSMENT	05 AGENCY	1	ANIZATION	07 TELEPHONE NUMBER	08 DATE
Bruce -Ford	IEPA	DLF	C/RPMS	(217,782-6760	6 ,28,91 MONTH DAY YEAR

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 2 - WASTE INFORMATION

1. IDENTIFICATION

01 STATE 02 SITE NUMBER
11 D063608071

ACL	7			EINFORMATION		IL I	0063698971
II. WASTE ST	ATES. QUANTITIES. AN	ID CHARACTER	ISTICS				
A SOLID B POWDER C SLUDGE	G GAS	02 WASTE QUANT Weatures of must be TONS CUBIC YARDS	ni waste quantines independenti	03 WASTE CHARACTE A TOXIC B CORROS C RADIOA D PERSIST	CTIVE G FLAMMAE	_IH US JE BLE KI E LI	IGHLY VOLATILE EXPLOSIVE REACTIVE NCOMPATIBLE
D OTHER	contam. soil	NO OF DRUMS	2	_		. W	NOT APPLICABLE
III. WASTE T	YPE	<u> </u>					
CATEGORY	SUBSTANCE N	IAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS	·	
SLU	SLUDGE						
OLW	OILY WASTE						
SOL	SOLVENTS						
PSD	PESTICIDES	<u> </u>		}			
occ	OTHER ORGANIC C	HEMICALS	unknown		contaminated	soil,	wastepile, drum:
'OC	INORGANIC CHEMIC	CALS					
ACD	ACI DS						
BAS	BASES						
MES	HEAVY METALS						
IV. HAZARDO	OUS SUBSTANCES (See)	Appendix for most frequen	ntly cited CAS Numbers:				
01 CATEGORY	02 SUBSTANCE		03 CAS NUMBER	04 STORAGE/DIS		05 CONCENTR	
000	Chromated cop	per arsen	ate	dried sludg	je is drummed	unkno	wn
	,						
			†				
				 			
				 			
				 			
				 			
			 	+			
				 			
	<u> </u>			 			
				 			
	<u> </u>			 -			
V. FEEDSTO	CKS (See Appendix for CAS Num	perei			_		
CATEGORY	01 FEEDSTO	CK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOO	K NAME	02 CAS NUMBER
FDS				FDS			
FDS				FDS			
FDS				FDS			
FDS		·		FDS			
VI. SOURCE	S OF INFORMATION (C.	te specific references e	g state likes sample analysis	reporte)	1		

Please refer to the bibliography at the end of the Executive Summary in Section I of the Preliminary Assessment report.

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POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION
01 STATE | 02 SITE NUMBER
IL D063698971

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

II. HAZARDOUS CONDITIONS AND INCIDENTS	
of a groundwater contamination 81 people of the state of	02 OBSERVED (DATE
O1 B SURFACE WATER CONTAMINATION 1250 O3 POPULATION POTENTIALLY AFFECTED 1250 A release of dilute CCA to Crab Ord 1250 people affected refers to thos Crab Orchard Lake.	O2 © OBSERVED (DATE 3-25-88), E POTENTIAL E ALLEGED O4 NARRATIVE DESCRIPTION Chard Creek was observed on March 25, 1988. The se served by a drinkign water intake located in
O1 © C CONTAMINATION OF AIR O3 POPULATION POTENTIALLY AFFECTED 17,500+ Potential for a release of CCA cont 17,500 people residing within four	aminated soil/dust exists. There are over
01 _ D FIRE-EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED N/A	02 TOBSERVED (DATE) TOTENTIAL TALLEGED 04 NARRATIVE DESCRIPTION
	02 OBSERVED (DATE) R POTENTIALALLEGED 04 NARRATIVE DESCRIPTION CCA contamingted soil or CCA from freshly treated ale of treated lumber takes place within the
O1 = F CONTAMINATION OF SOIL up to 15+ O3 AREA POTENTIALLY AFFECTED up to 15+ Areas of visibly CCA contaminated sleak and during the June 20, 1991 s	02 DOBSERVED (DATE 1988, 1991) POTENTIAL CALLEGED 04 NARRATIVE DESCRIPTION Soil were documented during the March 25, 1988 site visit/inspection.
01 G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED Refer to "B", above.	02 D OBSERVED (DATE) POTENTIAL C ALLEGED 04 NARRATIVE DESCRIPTION
01 TH WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED. 14 All workers at the facility are potentially working day.	O2 OBSERVED (DATE) R POTENTIAL ALLEGED O4 NARRATIVE DESCRIPTION tentially exposed to CCA contaminated soil/dust
01 TI POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED Refer to "C" and "E", above.	02 GBSERVED (DATE) POTENTIAL GALLEGED O4 NARRATIVE DESCRIPTION

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL D063698971

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)					
01 II J DAMAGE TO FLORA 04 NARRATIVE DESCRIPTION	02 GOBSERVED (DATE	_}	POTENTIAL.	☐ ALLEGED	
Potential exists for damage to flora whether lack of some vegetation on-si caused by equipment.	along runoff path from te is due to CCA contar	the mina	facility. tion or hea	Unknown vy traffic	
01 C K DAMAGE TO FAUNA 04 NARRATIVE DESCRIPTION (Include nameral of species)	02 OBSERVED (DATE	_)	☐ POTENTIAL	☐ ALLEGED	
N/A					
01 C L CONTAMINATION OF FOOD CHAIN 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE	_)	☐ POTENTIAL	☐ ALLEGED	
N/A					
01 M UNSTABLE CONTAINMENT OF WASTES Softerungtristanding agustationaring grunns	02 GBSERVED (DATE	_1	POTENTIAL	□ ALLEGED	
03 POPULATION POTENTIALLY AFFECTED	04 NARRATIVE DESCRIPTION				
N/A					
01 C N DAMAGE TO OFFSITE PROPERTY 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE	1	□ POTENTIAL	□ ALLEGED	
N/A					
01 G O CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 04 NARRATIVE DESCRIPTION	02 C OBSERVED (DATE)	- POTENTIAL	☐ ALLEGED	
N/A				•	
01 [] P ILLEGAL/UNAUTHORIZED DUMPING 04 NARRATIVE DESCRIPTION	02 OBSERVED (DATE	_)	☐ POTENTIAL	☐ ALLEGED	
N/A				!	
05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS					
·					
III. TOTAL POPULATION POTENTIALLY AFFECTED: 17,500+					
IV. COMMENTS					
V. SOURCES OF INFORMATION (Cite appeciate references. e.g., state tibes sample analysis reports)					
Please refer to the bibliography at the end of the Executive Summary in Section 1 of the Preliminary Assessment report.					